A Complete Bibliography of Publications in the *Journal of Software: Evolution and Process*

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^{2} [BMP13]. $_4$ [GGGBEM18]. NRFixer [GS23]. p [IAA18a]. v [BSB16].

-algorithm [BSB16].

1 [WCS14]. **12th** [KDK13]. **13th** [FKW13]. **14971** [FMC+15]. **15939** [ADCG12]. **18th** [PP14]. **19th** [OP14].

20000 [WCS14]. **20000-1** [WCS14]. **2010** [BMP13, CDF13]. **2011** [CT13, PP14, RPZ14]. **2012** [CLC14, MC14, OP14]. **2015** [AÖAG16, De 16, DHH+16, KTHS16, LSBV17, LSCP16, MPS+16, MMJB16, PKBT16, Pot16, RFM16, SA17]. **2016** [KOPR17]. **2019** [HAS21]. **20th** [BMCP14c]. **26262** [IK14]. **29110** [LSCP16, MPS+16, MM14, MPM+20, SGSGYO19, TKS+14]. **29110-based** [MPS+16].

3 [vdGK12]. **3.0** [MKMW18]. **31000** [BMM19]. **31000-based** [BMM19]. **33014** [PHJ15].

4-year [MMJB16]. **4th** [PF18].

5 [GCMS14, RMOP20].

60880 [VNM14]. **61508** [VNM14]. **62304** [RFM16].

9 [LSBV17]. **9126** [ADCG12].

A/B [FDM+18]. **abandonment** [KC22]. **abilities** [SRSEGA14]. **abnormality** [AAYK20]. **abstract** [NSDD17, YZT22, BGM20]. **academia** [RBE+21]. **access** [DLM23]. **accessibility** [SGSGYO19]. **accidents** [CKMN15]. **according** [LLLL21, MM14]. **Accounting** [Al 15]. **accuracy** [IAA18a]. **Accurate** [WL16, KTYK16, TUF20, WWQ+21]. **Achieving** [BJF12, GCMS14]. **Acknowledgements** [Ano17m]. **across** [BDS+22, JPvdW+17, LSFG20]. **action** [KMP22, ST23]. **actionable** [MGN18]. **activities** [WWQ+21]. **actual** [LHEG18]. **ad** [OB17]. **adapted** [HGGASVD14]. **adaptive** [GNIS18, LAF+18, RM22]. **ADAS** [MKMW18]. **Additional** [JN12]. **Addressing** [BCPM20a, SL20]. **Adopting** [MMC14, NMA+17]. **adoption** [ASA+20, CV21, eLAA+23, TST17]. **Advanced** [QHY+22]. **Advances** [BCPM19, BMCP15]. **affecting** [KC22, WKB+15]. **affects** [GWA15, RHD+16]. **after** [EKV15, SJG+14]. **again** [TPB+17]. **Agency** [PBDJ16]. **aggregating** [MV14]. **aggregation** [MAL+13]. **Agile** [GGJ20, HGGASVD14, PL14, RK18a, SVK+14, TWFF18, ASA+20, AAM+21, ALK+17, Ano21b, DT18, Dow14, El 18, ECRJVA+18, JW12, KHR18, KMB17, KTP22, Kos21, KMP22, Kru13, MPB16, MMC14, NGAEE22, OMTR12, PA14, Pot16, PSMM19, RK18b, ST23, SKK+18, TGE17, TST17, MGW+17, RBG15]. **Agile_MANTEMA** [PRGP12]. **AHP** [Yag18]. **aid** [El 18, MBD+22]. **Akari** [HOD+14]. **algorithm** [BSB16, KTYK16, KRG+13, LSRT16]. **algorithms** [GAA+22, KRR+16]. **Alignment** [MGW+17]. **alleviate** [GS23]. **allocation** [EKG18, FPA17, II17, RMCLGAM14]. **allocation-based** [EKG18]. **Allura** [TP21]. **alternatives** [LMdVT+12]. **AmaLgam** [WL16]. **among** [AAM+21, FM23, PBSA17, SS18]. **amongst** [AHKL20]. **amplification** [SAD22]. **AmPyfier** [SAD22]. **analogy** [AI21, HIA19, IAA18b]. **analogy-based** [IAA18b]. **Analysing** [LGNEAO20, KLWA20, SVK+14]. **Analysis** [ECRJVA+18, FPA17, KLG17, MPM+20, AVC20, AL17, AAYK20, Ano21c, Ano21t, BSEA14, BHLO16, CPR15, CLC14, EPG18, FM23, JMCC18, Jun12, KKK+21, Kos13, KFYI13, LSBV16, LSBV17, LHR18, LHA+16, NSDD17, PMT20, QB21, RAM+22, SJG+14, SZ12, SP22b, Stu12, UY13, XLWZ15, YAMM22, ZWW+20, CS13]. **Analytic** [KHZ21, SKK+18]. **analytical** [AKKM20, ASK+21, AKM+21, KS20]. **Analyzing** [AN17, LLLW18, ABB14, BMZP14, RF16]. **Android** [MDV+18, QB21]. **animations** [Sir18]. **Anniversary** [BMCP14c]. **Ansible** [QT22]. **Antecedents** [CCUP21]. **Anti** [MPSM22]. **Anti-bloater** [MPSM22]. **Apache** [TP21, TFAL21]. **API** [CdSdAM16, GRK17, HZ23, ND20, PJS+17]. **App** [GLL+21, DGVP21, GLL+20, LLLL21, TRC+17, LLLW18]. **Application** [BMCP14a, LLLL21, OCCSBDBP20, AHH17, AAYK20, BCC+15, BSEA14, BW22, BMCP14b, GdSC21, HGGASVD14, LC23, Ost14]. **Applications** [WLL+23, AMB18, ADFT16, BCD13, CYK20, CLAD17, DMT13, JSI+22, LGS+17, LB13, OFAT+18, RRDPD+13, UIK20, WRC+13]. **applied** [PCCP14]. **Applying** [RMAB15, BM12a, De 15]. **Appraisal** [dH13]. **appraisals** [De 15, De 16, SV21]. **Approach** [ARSH16, SDG21, AKKM20, AHKL20, Ano21p, AAA13, BM13, BHZK12, BCD14, BCD16, CS19, CLW22, DCVM20, DP15, EIA19, FLGB22, GP16, GEK14, GKHE18, GS23, GDAG13, HF12, HH12, IK14, JMR18, JKIU22, KLC+14, KKK+21, Kos21, KMP22,

Kuh15, KKW18, MAD+14, NLNL20, NHLTL17, OKÓ+17, ÖTM18, PGM21, RAM+22, SLHS18, SKWD15, SSL15, SNP22, SLMW21, SBPS12, SAC21, UWKRS21, UTZ13, UIK20, WSB14, YF22, ZKK13]. **Approaches** [BDB+18, BJF12, BMCP15, DRW14, KJS+13, LM18, PUWS21, SH23]. **Approaching** [GCPM19]. **ArchiMate** [PCCRP21]. **ArchiRev** [PCCRP21]. **ArchiRev-Reverse** [PCCRP21]. **architects** [VKPvV13]. **architectural** [CNPR13, MB17, SAPF22]. **architecture** [AJP14, Bab12, LGNEAO20, LLSA22, NSDP15, OEC17, PJW17, WRC+13, YYF+22]. **architectures** [MKMW18, PJW17, PDP18]. **Archive** [MCSGBSA20]. **Arg** [KLWA20]. **arguments** [KLWA20]. **art** [GS18b]. **artifacts** [CDO+13]. **artificial** [KTYK16]. **aspect** [AAJE13, BJF12, JMR18]. **aspect-oriented** [AAJE13, JMR18]. **aspects** [AY20, ABG18, KGW13, KJS+13, MSB+14, Pot16]. **assessed** [GWA15, YFL+22]. **Assessing** [CRP14, LSCP16, RBFM15, TST17, UFF18, SG17]. **assessment** [Abu16, BMM19, BMP13, BMCP14a, CC13, CS13, CYK20, CG14, CWBC17, CPSGAA20, JN12, Jun12, KKN+19, KMH+15, LS14, LCM+15, LMC16, LdONB22, dSLBF15, MMK16, MV14, ÖTM18, PPdAPP21, SKTW14, SN14, SBPS12, TKS+14]. **assessments** [CRP14, VMCN20]. **assessor** [ISK15]. **assets** [Ano21v]. **Assigning** [KGPH12]. **assignment** [KRR+16, LMdVT+12, SBS20, ZKN+21]. **Assisting** [PGAP17]. **association** [AAM+21, AHKL20, LLJ+14]. **assumptions** [EMRF14]. **assurance** [BW18, HMMR18, LML+18, Pot16, PBDJ16]. **asynchrony** [JGHA14]. **athletic** [ZDV22]. **Atlas** [SNP22]. **attack** [QHY+22]. **attackers** [IZJG18]. **attribute** [Jun12]. **attributes** [NBF18]. **automate** [GP16]. **Automated** [AMB18, HBG21, JRCMWE23, MBD+22, MLM16, PPPdG20, VMSH13, WFB+18, dGNFAT17, DLM23, JKIU22, NBD17, UIK20]. **Automatic** [FHS13, WPVS14, XBS+21, NBCM17, MTG22]. **Automatically** [ND20]. **Automating** [SGD+13]. **automation** [AEC23, JRCMWE23]. **Automotive** [Kra13, MKMW18, NRB13, NGAEE22, SSB+20, VKC+21]. **autonomic** [YF22]. **autonomous** [HMB+18, ST22]. **autonomy** [GdSC21]. **autotuning** [DMZ+22]. **availability** [BM13]. **Avispa** [ABB14]. **aware** [FAT22, MSK18, PKY14].

B [BAAO+20, FDM+18]. **back** [TPB+17]. **Bad** [MRJ20]. **bagging** [ZHC+18]. **balance** [HD17]. **Balanced** [dH13]. **banking** [Ano21b]. **barriers** [AHKL20, ALK+20, BDB+18]. **Base** [KL18]. **based** [AMH15, AAM+20, AIA20, AKM+21, ALR+22, ASACG13, ABQO14, ADFT16, AL15, AI21, Ano21v, APL+14, AYB+18, BMM19, BH16, BSEA14, BCD16, BDS+22, CDO+13, CS19, CZY+22, DRW14, DMT13, EKG18, EIA19, EMRF14, EKP18, FAT22, FTW16, GLL+21, GGGBEM18, GP16, GAA+22, GA20, GEK14, GKHE18, dH13, IAA18b, JbAPT18, JKIU22, KMB17, KKT12, KÓ16, KHZ21, KKK+21, KST14, KFYI13, LMdVT+12, LGNEAO20, aRL21, MLCW22, MKA20, MPS+16, MA12, MCL+18, NHLTL17, NSDP15, OCCSBDBP20, PMT20, PCCP14, RLMC19, RCL19, SLHS18, SDWA20, SKWD15, SKTW14, SG20, SGD+13, TKS+14, UIK20, WLL+23, WSB14, YZT22, ZKK13, ZWY+20, ZLM+21, ZLW22, dSPF+12, dGNA+16, dGNFAT17]. **basic** [CMCG+12, MPM+20]. **Bayesian** [PGAP17]. **becoming** [IZJG18]. **BEFTIGRE** [CLAD17]. **behavior** [JMCC18]. **behavioral** [AHA17, GD21]. **Behaviour** [CLAD17]. **Behaviour-driven** [CLAD17]. **behaviours** [RGSR20]. **being**

[DT18, RGSR20]. **Bellwether** [MK22]. **benchmarking** [MA20]. **benchmarks** [BAAO+20]. **benefits** [JbAPT18, LMC16]. **best** [RAM+22, TUF20]. **better** [KL18, NXC13]. **between** [ASG18, AN17, DRM21, KJ14, KCH+17, KMH+15, LSBV16, LSBV17, MGW+17, SP22a, SAPF22, WFB+18]. **beyond** [KPG14]. **bi** [SKWD15]. **bi-level** [SKWD15]. **Big** [SKR15, KKK+21]. **binary** [QSM15]. **Blended** [ÇD19]. **Blending** [NGAEE22]. **bloater** [MPSM22]. **blockchain** [ALR+22, CPSGAA20]. **Blocks** [WPVS14]. **blueprint** [SSB+20]. **boolean** [PCL21]. **boosts** [ST23]. **born** [CDR12]. **both** [GLL+21]. **bottlenecks** [PRNR14]. **bounds** [BGV18]. **BPaaS** [HMB22]. **BPM** [CV21, GCPM19]. **BPMN** [AYB+18]. **BPMN-based** [AYB+18]. **Brazil** [GdOK18]. **BS** [GGGBEM18]. **BSCBAS** [dH13]. **Bug** [WL16, ATR+17, DRM21, HZ23, NHLTL17, RHD+16, SBS20, SAK17, WWQ+21, WSB+21, ZTGG16]. **bug-assignment** [SBS20]. **bugs** [DRW14, GS23, KRR+16, XLWZ15]. **Build** [DBP22, NH14]. **Building** [SP22a, CKP15]. **bulk** [MA20]. **Business** [Kos21, ARD+12, CPMS+14, DMS12, FAT22, GNIS18, HBG21, JMR18, LWY+16, NSBR12, PCCP14, PPdAPP21, RLR21, ST23, Sch12, SZ12, Stu12]. **business-to-business** [FAT22, ST23]. **bytecode** [PB17]. **ByteDance** [WCDY22].

C [HD17, BGM20, GJ13, HZ23, LSBV16, LSBV17]. **Can** [COGFCA22, KMH+15, TPB+17, Kra13, PPdAPP21]. **capabilities** [FDM+18]. **capability** [Cao12, GdOK18, SG20, UC12, WCS14, SKTW14]. **care** [EKP18, PDP18, WFB+18]. **Case** [TGE17, AIA20, AY20, Ano21b, AN17, BLGZ18, BABW12, BCSS18, EKV15, GAA+22, GP13, HD17, HZ14, KFYI13, KO13, LSW13, MKA20, MGUA14, MPB16, MMPN20, MBMR19, NH14, OCCSBDBP20, PMT20, PCCRP21, PCMCAC14, QHY+22, RGS+15, RCL19, RMOP20, RBE+21, SDG21, TFAL21, TG20, TMDE21, VvV15]. **case-based-reasoning-based** [AIA20]. **cases** [GRK17, KMB17, LdONB22, PPPdG20]. **catalog** [PGCMA15]. **Categorization** [WLL+23]. **Category** [KL18]. **causes** [RF16]. **CC** [LSBV16, LSBV17]. **centered** [GD21, SH23]. **centric** [NBD17, WPXZ13]. **certification** [CPMS+14, KBM+12]. **Challenges** [AM20, CKR18, CdMSNdCM+14, IK17, SK18, AKKM20, AEC23, Cap13, GFK+20, KHR18, KJ14, KHZ21, KKK+21, KMP22, PUWS21, SKK+18, UWGP15, MVRP20]. **challenging** [KS20]. **Change** [PJW17, AMA+20, AKKM20, AMH+20, ASK+21, Ano21q, CMCG+12, CdMSNdCM+14, CS19, ETT+21, EAK13, Ghe17, HLP15, JGHA14, KGPH12, KA20, LHEG18, PHJ15, SSB+20, YZT22, ZHC+18, ZLW22]. **change-level** [ETT+21]. **change-prone** [EAK13]. **change-proneness** [ZHC+18, ZLW22]. **changes** [Bol13, CKS18, EAK13, ECRJVA+18, HCL+17, JRSS13, JPW+17, SAPF22, THP+16]. **changing** [HD17, RM22, Rya16]. **characterisation** [GCPM19]. **characteristics** [SVK+14, WSB+21]. **Characterizing** [SAEH16, WCDY22, TBP+17]. **check** [LP17]. **checking** [CGU22, FHS13, LHA+16, NHLTL17, NL18]. **Choice** [KL18, NPLP12]. **Choosing** [PHJ15]. **choreographies** [FAT22]. **class** [Al 15, GS23, MPSM22]. **class-imbalance** [GS23]. **Classes** [SVB+17, EAK13, FM23, SAC21]. **classical** [HD17, SKR15]. **Classification** [AJP14, GJC+18, MK22, NLNL20, RLMC19, ZTGG16]. **click** [IZJG18]. **click-fraud** [IZJG18]. **client** [AMA+20]. **client-vendor** [AMA+20]. **Clone** [CKS18, PTK13, BKZ13,

GK13, Kos14, SSL15, SKR15]. **Cloned** [HG13]. **clones** [KR15]. **cloning** [PCP18]. **Cloud** [EKP18, PJW17, AKM+21, AMB22, CLAD17, FHS13, KKK+21, WCDY22]. **Cloud-based** [EKP18, AKM+21]. **Cluster** [DMT13, KMB17, JMCC18]. **Cluster-based** [DMT13, KMB17]. **clustering** [AI21, AFK22, CKP15, LS19, PCCP14]. **clustering-based** [AI21]. **clusters** [SJG+14]. **CMMI** [GP13, GCMS14, RMOP20]. **CMMI-DEV** [RMOP20]. **Co** [dGNA+16]. **Co-located** [dGNA+16]. **coaches** [KTP22]. **coaching** [PL14]. **Coadapting** [KBHG17]. **COBOL** [HF12]. **Code** [ARSH16, KLG17, SVB+17, WPVS14, AVC20, AM16, BHLO16, BGM20, CLC14, DRGP13, GDJV18, HG13, HCL+17, JPW+17, KMH+15, LHEG18, MLM16, MdGC+17, NBCM17, OKÓ+17, PCP18, PB17, QSM15, QT22, QBO+13, RA15, SLHS18, SWT+16, San14, SP22a, SAPF22, SLVOP18, SLL+21, SAK17, XBS+21, YYF+22, ZBGH22]. **coding** [HD17]. **coengineering** [TMDE21]. **coherence** [CNS14]. **cohesion** [Al 15]. **Cohesive** [KO13]. **collaboration** [RDD+12]. **Collaborative** [MDSSMS15, DFGP18, JPW+17, KLC+14]. **collection** [KGW13]. **combination** [BJF12, ZHC+18]. **combinatorial** [PPPdG20]. **combined** [HD17]. **Combining** [CS13, ZTGG16]. **come** [RZL+15]. **comments** [MBD+22]. **commercial** [Dow14]. **commit** [BKS+17]. **commits** [GFKH18, TBP+17, WG18]. **communicated** [SJA+14]. **communication** [ECRJVA+18, NPLP12, PK14, RBE+21]. **communicators** [UWKRS21]. **communities** [RCO20]. **community** [EKP18]. **companies** [ALK+17, BO21, FDM+18, GP13, LCMCPA15, MPB16, ÖTM18, SH23]. **company** [GCMS14, MFA12]. **Comparative** [FZW+18, Nia15]. **compare** [MKPB23]. **Comparing** [BKS+17, DRW14]. **comparison** [AJP14, AG21, Ano21t]. **competence** [SRSEGA14]. **competences** [HLP15]. **Compilation** [WLL+23]. **compile** [TPB+17]. **complete** [TG20]. **Completion** [ARSH16, YYF+22]. **Complex** [BBD+22, BM13, FLGB22, LSW13, WYW+13]. **Compliance** [CGU22, DMS12, NGAEE22, VMCN20]. **compliant** [Gal20, KK14, RFM16]. **component** [MA12, SP22b]. **component-based** [MA12]. **components** [CMCG+12, LMOLG23, NEU+19]. **Composing** [WL16]. **composite** [Ano21v, WRC+13]. **composition** [GJC+18, LM18, UTZ13]. **compositions** [AYB+18]. **comprehending** [ADFT16]. **Comprehension** [RBM16, BMC18, GAA18, PA16]. **comprehensive** [Ano21b, LLJ+14, MCL+18, SLVOP18, TNLJ+17, UWKRS21, WSB+21, MCSGBSA20]. **computations** [WZ17]. **computer** [MDSSMS15, RGSR20]. **computing** [AMB22, HMB22, KKK+21, LAF+18, NMA+17, Sir18]. **concentration** [BPKZ16]. **concept** [IK14]. **conceptual** [UWGP15, UGI+14, ZPFV14]. **Conceptualising** [KLWA20]. **concerns** [BCD16, CGN17, MBMCP18]. **conclusion** [MK22]. **Concrete** [BLGZ18]. **Conference** [CDF13, FKW13, OP14, PF18, PP14, BMCP14c]. **Confidence** [ST22]. **Confidence-driven** [ST22]. **configuration** [BDGR12, DMZ+22, NBD17]. **conflict** [WFB+18]. **conflicts** [DBP22]. **conformance** [FHS13]. **connected** [OFAT+18, CKR18]. **connections** [ASG18]. **consequences** [CCUP21]. **consistency** [HLWL15, LHA+16]. **consistent** [TMDE21]. **constraints** [KL18]. **construct** [AAA13]. **construction** [Ano21a, GDJV18, NBCM17, TKK+21]. **consultancy** [GCMS14]. **consultants** [GdOK18]. **consumer** [HB16].

consumption [AVC20, FAA+17]. **contagious** [MB17]. **content** [BCC+15, Cap13]. **Context** [ARSH16, HMB+18, SLHS18, EMRF14, FAT22, LSFG20, PCP18]. **context-aware** [FAT22]. **Context-based** [SLHS18]. **Context-dependent** [HMB+18]. **Context-sensitive** [ARSH16]. **context-specific** [EMRF14]. **Contextual** [CV21]. **Contextualizing** [Kru13]. **continuity** [PJW17]. **Continuous** [OEC17, DLM23, PGAP17, RM22, BDG+23]. **contract** [AVC20]. **contributions** [LML+18]. **control** [DLM23, ECRJFZ13, OCCSBDBP20, QSM15]. **controlled** [QBO+13]. **conventions** [CNSR23]. **conversation** [BAAO+20]. **coordinated** [SR19]. **coordination** [SSM21]. **COQUALMO** [HBH12]. **corpus** [LSBV16, LSBV17]. **Correct** [GDJV18]. **Correct-by-construction** [GDJV18]. **correctness** [KKW18]. **correlation** [GWA15]. **Correlations** [LS19, CKP15]. **Corrigendum** [LSBV17]. **Cost** [SV20, KTYK16, NSDP15, PBSA17]. **Cost-driven** [SV20]. **cost-effective** [NSDP15]. **costs** [BGV18]. **coupling** [APL+14, CN12, KCH+17]. **Cover** [GS18a, Raj18a]. **coverage** [CS19]. **coverage-based** [CS19]. **Crafting** [Kuh15]. **CRAN** [MCSGBSA20]. **crash** [NHLTL17]. **create** [KTP22]. **Creating** [Sir18]. **Creation** [RFM16]. **crisis** [ZCL+18]. **criteria** [HB16, IAA18a, KKT12]. **criterion** [KL18]. **critical** [BZ21, CPR15, CPSGAA20, JN12, eLAA+23, LYL+12, MSBE20, SLMW21, ST22, Wal18]. **criticality** [DGVP21]. **cross** [CMQ+20, CLW22, HH12]. **cross-project** [CMQ+20, CLW22]. **cross-section** [HH12]. **crosscutting** [BCD16]. **crossroads** [ZRB+14]. **crowd** [CdSdAM16]. **CrowdRE** [KLWA20]. **CrowdRE-Arg** [KLWA20]. **Crowdsourcing** [ZKN+21]. **CSCW** [TNLJ+17]. **CSMR** [Ano13, FKW13, MC14]. **CSP** [CZY+22]. **Cultural** [MVP12, BABW12]. **culture** [ST23]. **Current** [BCPM20b, KKT12, LM18, SN14]. **currently** [DT18]. **customer** [KJ14, KPG14, RMAB15]. **customized** [LMdVT+12]. **cyber** [BZ21, BGV18, BMS21, CYK20, GAA+22, GdSC21, MSBE20, PMT20, PDP18, QHY+22, RMP+20, TMDE21, ZIDM20, ZIDM21]. **cyber-attack** [QHY+22]. **cyber-physical** [BZ21, BGV18, BMS21, GAA+22, GdSC21, MSBE20, PMT20, PDP18, TMDE21]. **Cybersecurity** [Wal18, MBMCP18]. **cycle** [AÖAG16, Sch12, ZPW12]. **cycles** [FM23, Hou14, MPM+20].

Data [MA20, VBMH22, AIA20, Al 15, Ano21t, CYK20, CSGR17, GA20, JSI+22, KKK+21, KMH+15, LHEG18, RL14, Stu12, SKR15, ZPFV14, ZTGG16, CS13]. **Data-driven** [MA20]. **data-intensive** [ZPFV14]. **Database** [MAzGB18]. **databases** [DMZ+22, PCdGCP13]. **datasets** [AHH17, QT22]. **De-motivators** [ASA+20, AAM+21]. **Dealing** [KMP22]. **debt** [CWBC17, LSFG20, MB17, TFAL21, ZBGH22]. **debugging** [Ano21q, CS19, VHBK22]. **December** [LSBV17]. **decentralised** [FLGB22]. **decision** [Ano21v, El 18, FPA17, GP16, HB16, JMCC18, KS20, aRL21, dSLBF15, WKB+15]. **decision-making** [Ano21v, JMCC18, KS20]. **decision-support** [GP16]. **declarative** [FLGB22, ZPW12]. **decomposition** [SL20, VKPvV13]. **deep** [ZLM+21, ZLW22]. **deep-learning-based** [ZLM+21]. **Defect** [CPR15, Ano21u, CMQ+20, CLW22, ETT+21, QT22, RLMC19, SLL+21]. **defective** [CMQ+20]. **Defectivity** [HBH12]. **defects** [HLWL15, JWP+16, KCH+17]. **define** [MA20]. **definition** [KPG14].

delivery [RGS+15]. **Delta** [AMH15, VHBK22]. **Delta-based** [AMH15]. **deltas** [DCVM20]. **demand** [HF12]. **demand-driven** [HF12]. **demonstration** [SGD+13]. **demonstration-based** [SGD+13]. **dependability** [ZWY+20]. **dependence** [DRW14, SJG+14, UY13]. **dependence-based** [DRW14]. **dependences** [APL+14, yCP12]. **dependencies** [BPKZ16, KMH+15, LHEG18, SS18]. **dependency** [Ano21q, BPKZ16, FM23, JbAPT18]. **dependent** [HMB+18]. **dephase** [JGHA14]. **deployed** [SPC16]. **Deployment** [ETT+21, NSBR12, PGM21, RGSR20]. **deployments** [LC23]. **derivation** [OMTR12]. **Deriving** [JSI+22, Sha15]. **descriptions** [DS17, LLLW18]. **Design** [BCD14, BGM20, CsZZ+13, FMR13, WPVS14, BM13, BAAO+20, BCD13, FAA+17, NSBR12, OKÓ+17, PVA+21, PPdAPP21, RTCL16, SGSGYO19, SP22a, SV21]. **Designing** [LdONB22]. **desirability** [LdONB22]. **detailed** [CPR15]. **detect** [DP15]. **Detecting** [ATR+17, BMZP14, JGHA14, CKS18]. **detection** [AAG21, BCD14, CS19, GK13, Kos14, MRJ20, MAMN19, PCL21, SSL15, SKR15, Wan21, WFB+18, ZPFV14]. **detectors** [SKR15]. **determining** [DRW14]. **DEV** [GP13, RMOP20]. **develop** [GJC+18]. **developer** [CSGR17, DRM21, KRR+16, KC22, TBP+17, WWQ+21]. **developer-related** [TBP+17]. **developers** [BCSS18, COGFCA22, KGPH12, KTHS16, MGN18, WPXZ13, XLWZ15]. **Developing** [SV21, MMC14, NBF18, PKY14]. **Development** [LCM+15, LMC16, ASA+20, AY20, AHA17, AMH+20, ASK+21, AKM+21, AÖAG16, ASG18, AI21, Ano21b, Bab12, BM12a, BM13, BCC+15, BH16, BJBM21, Cao12, CN12, ÇD19, DLM23, DT18, DHH+16, EIA19, FPA17, GS18b, GKS+12, GD21, HD17, HGGASVD14, HLP15, HIA19, IAA18a, IAA18b, IK17, II17, JWP+16, KLC+14, KKN+19, KA20, KHZ21, KGW13, KTP22, Kru13, LSW13, LMdVT+12, LC23, LLLW18, MMK16, MKA20, MPS+16, MVRP20, MGUA14, MA20, MA12, NMA+17, NPLP12, ND20, ÖTM18, PL14, PBSA17, PRNR14, PK14, PUWS21, RGSR20, RCL19, RMOP20, RK18a, RK18b, RMCLGAM14, RFM16, SSM21, SK18, SRSEGA14, SKK+18, SAEH16, SLMW21, SH23, TGE17, TKK+21, TWFF18, TRC+17, THP13, TST17, VKC+21, WWQ+21, YAMM22, dSPF+12, AL17]. **device** [CC13, LCM+15, LMC16, ÖTM18]. **DevOpRET** [BDG+23]. **DevOps** [ADH20, BEB21, BDG+23, EAD17, JbAPT18, KS20, RYA+21, RAM+22]. **diagram** [SNP22]. **diagrams** [GAA18, MMPN20]. **dictionary** [HBG21]. **differences** [KJ14]. **differencing** [DCVM20]. **different** [CMQ+20, MPM+20]. **differential** [BH16]. **Digital** [BO21, OB20]. **digitalization** [PPdAPP21]. **dimension** [GSB+20]. **direct** [San14]. **directed** [NHLTL17]. **directions** [AEC23, MGW+17, RPV12]. **Dirichlet** [EKG18]. **disasters** [McQ12]. **discipline** [GdSC21]. **Discovering** [yCP12, PJS+17, BSB16]. **discovery** [MLM16]. **discriminative** [HCL+17]. **disjunctive** [PCL21]. **dispatching** [GAA+22]. **Disruption** [OB20]. **distance** [Pri12]. **distinguished** [OP14, PP14]. **Distributed** [BBD+22, BCSS18, FPA17, FLGB22, LMdVT+12, Pri12, RBG15, SKK+18, THP13, UFF18, YF22, dSPF+12, dGNA+16]. **distribution** [Ano21u, CN12, PBSA17, SP22b]. **distrust** [PNL12]. **divergence** [MGW+17]. **diversity** [SVSC20]. **Do** [CMQ+20, GWA15, LHEG18, DS17].

documentation [NSDP15, PJS+17]. **does** [GKS+12, RZL+15, SWT+16]. **domain** [ATR+17, APL+14, BSEA14, BO21, JN12, KKN+19, MMC14, RPZ14, RLR21]. **domain-based** [APL+14]. **domains** [BMCP14b, DT18]. **down** [AAA13]. **drive** [NRB13]. **driven** [AMH15, Ano21p, BJF12, BCD14, CLAD17, De 16, DP15, GGPT12, HF12, HD17, MA20, PGM21, SZ12, SV20, ST22, WWKC18]. **driver** [CNPR13]. **drivers** [SSB+20]. **DRIVES** [SSB+20]. **DRIVES-EU** [SSB+20]. **driving** [MKMW18, ST22]. **DSL** [BCD14]. **DSL-driven** [BCD14]. **Dthreads** [FZW+18]. **Dual** [XLWZ15]. **duplicate** [ATR+17]. **duration** [BEB21, Hou14]. **during** [CKG15, CKS18, ECRJVA+18, GJ13, HH12, PPdAPP21, SPC16]. **Dynamic** [Cao12, BCD16, CsZZ+13, GS12, HBH12, QVR+21, RPZ14, SAM13, WRC+13]. **Dynamics** [II17, dSLBF15].

each [Kra13]. **Early** [PRNR14, AN18, LHEG18]. **economical** [Pot16]. **Ecosystem** [BO18, MCSGBSA20, OB17, TFAL21]. **ecosystems** [AY20, DRM21, HB16, OB20]. **ECQA** [ISK15, KBM+12]. **editing** [ZKZH14]. **edition** [PF18]. **editor** [GW12, HAE14, HZR16, KLG17, MTG22, RBM16]. **Editorial** [Ano13, BMP13, BMCP14a, BMCP14b, BMCP15, BMCP16, CDR17, CDF13, CLC14, CT13, FKW13, GW12, HOJ15, HAE14, HZR16, KÓ16, KLG17, KDK13, LP17, MC14, MAD12, MGW+17, MP16, PP14, RPZ14, RBM16]. **Editorials** [BM12b, BMCP14c, CDR12, NSBR12, RPV12]. **edits** [ZKK13]. **education** [Sir18]. **educational** [De 16]. **effect** [FAA+17, VHBK22, ZKZH14]. **effective** [EPG18, GJC+18, NSDP15, VvV15]. **effectiveness** [ASG18, AL15, HH12, RMOP20, VMCN20]. **Effectivity** [Pot16]. **efficiency** [JPvdW+17, LSW13, RMOP20]. **Efficient** [ARSH16, ACM+14, SSL15]. **Effort** [Ano21a, QB21, RCL19, TGE17, AL15, AI21, Ano21r, AN18, BCC+15, BH16, EIA19, GS18b, HOJ15, HIA19, IAA18a, IAA18b, KFYI13, LHA+16, MKA20, MA20, PBSA17, TUF20, vdGK12]. **electronic** [OCCSBDBP20]. **electronics** [HB16]. **elevators** [GAA+22]. **elicitation** [AL17, DFGP18, SDWA20, SL20, YAMM22]. **Embedded** [BSEA14, BO21, DT18, MPB16, OB20]. **embedding** [SLL+21]. **Embracing** [GJ13]. **Emerging** [BW18]. **Empirical** [ABG18, AAJE13, AAYK20, CAKA21, EIA19, HSvG17, LSBV16, LSBV17, PA14, AAM+20, ALK+17, AVC20, ALK+20, AG21, BKZ13, CO13, CWBC17, CV21, CNS14, FQA17, GFK+20, GdOK18, HZ23, JPvdW+17, JRSS13, KRR+16, KA20, LMB12, LGS+17, LML+18, NXC13, NMA+17, PCP18, RHD+16, SP22a, SS18, TBP+17, VMSH13, YAMM22, ZKZH14, BAB+22]. **employing** [MPB16]. **employment** [dSVB+22]. **empowering** [MMJB16]. **enabled** [MLCW22]. **Enabling** [PB17]. **enactment** [THP+16]. **encapsulation** [Al 15]. **encryption** [LGNEAO20]. **End** [LMOLG23]. **End-user** [LMOLG23]. **Energy** [JPvdW+17, FAA+17, SWT+16]. **engine** [OCCSBDBP20]. **engineered** [GAA18]. **Engineering** [BBD+22, OP14, PMT20, PP14, RRDPD+13, AIA20, ARD+12, ATR+17, AHC21, BSEA14, BJF12, BCPM20b, Bor16, BDB+18, CKR18, GKHE18, GGPT12, GWA15, HBM+16, JW12, KÓ16, KFT14, LMB12, LP17, LFT19, LHIE18, MAD12, MBMR19, MPM+20, OEC17, OMTR12, PCCRP21, PNL12, Pri12, RPZ14, RPV12, RBE+21, RDD+12, RBG15, SKWD15, SL20, WKB+15, YFL+22, dGNFAT17, dSVB+22]. **engineers** [MVP12, PPdAPP21]. **engines** [MAzGB18]. **enhanced** [ZPW12].

Enhancing [Ano21b]. **ensemble** [Ano21t]. **ensembles** [Ano21r, HIA19]. **Ensuring** [TMDE21]. **enterprise** [GPM+12]. **enterprises** [Abu16, ABG18, BAB+22, CG14, ECRJFZ16, LCMCPA15, Pot16, SG20]. **entities** [HCL+17, MPS+16, MPM+20]. **entrepreneurial** [TWFF18]. **entropy** [EIA19]. **entropy-based** [EIA19]. **Envelopment** [CS13, Ano21t]. **environment** [AMB22, AN17, SKK+18]. **environmental** [JMCC18]. **environments** [GGGBEM18, PSMM19]. **Equation** [eLAA+23]. **equivalent** [NLNL20]. **erosion** [LLSA22]. **Error** [LHA+16, WLL+23]. **essential** [PGM21]. **estimate** [BH16]. **Estimating** [AI21]. **estimation** [AL15, Ano21r, AN18, BCC+15, EIA19, GS18b, HOJ15, HIA19, IAA18a, IAA18b, MKA20, MA20, PBSA17, QB21, RCL19, TGE17, TUF20]. **ETGM** [KRG+13]. **ethical** [RGSR20]. **ethics** [MdGC+17]. **EU** [SSB+20]. **European** [FKW13, CDF13]. **EuroSPI** [BMCP14c, AÖAG16, De 16, DHH+16, KTHS16, LSCP16, MPS+16, MMJB16, Pot16, RFM16, BMP13]. **evaluate** [FQA17]. **Evaluating** [HH12, HIA19, IAA18a, QBO+13, ISK15, JSI+22, SBS20]. **Evaluation** [VBMH22, WPVS14, AN18, Bab12, CLAD17, El 18, EIA19, ECRJFZ13, Gal20, HHW12, LMdVT+12, LB13, MBD+22, NSBR12, RMP+20, UGI+14, VMCN20, VMSH13, WCS14, YT22]. **Event** [BAAO+20]. **Event-B** [BAAO+20]. **events** [ZCL+18]. **evidence** [Ano21v, PA14, dSPF+12]. **evidence-based** [Ano21v, dSPF+12]. **Evolution** [CNPR13, KDK13, LLT20, MAzGB18, MCSGBSA20, PF18, QVR+21, TFAL21, AJP14, BZ21, BH16, BCD13, CDR12, CKG15, CS13, CKS18, CPSGAA20, GLL+20, GK13, GG14, GBRHO14, HH12, HZ23, KRG+13, KKW18, LGS+17, LLLW18, MDV+18, MP16, NXC13, PTK13, RHL15, SJA+14, SR19, TWL+21, WYW+13, ZDV22]. **evolution-based** [BH16]. **evolutionary** [BPKZ16, Bol13, JPW+17, KRR+16, KCH+17]. **evolvability** [Raj18b]. **Evolving** [FDM+18, TP21, BCPM20a, HSvG17, HAS21, JWP+16, RPZ14]. **EXACT** [ADFT16]. **examination** [CO13, RGS+15, SS18]. **examining** [Pri12]. **example** [GKHE18]. **examples** [GRK17, GEK14]. **Excel** [AHH17, ADFT16]. **executables** [CsZZ+13]. **Execute** [SJG+14]. **Execution** [HAN22, AAA13, AM16, BJF12, CsZZ+13, MAD+14, SJA+14, UTZ13]. **exhaustive** [KGW13]. **Experience** [AÖAG16, BMP13, De 15, KK14, BRDL21, BDS+22, HOD+14, LSCP16, PMT20, SV20, TKS+14, TP21, WWKC18]. **experiences** [BMP13, BMCP14c, LS19, RBFM15]. **Experiment** [AL15, De 16]. **Experimentation** [FDM+18]. **experiments** [BAAO+20, QBO+13]. **expert** [MKA20, OCCSBDBP20, RHD+16]. **expert-based** [MKA20]. **experts** [GSB+20]. **explication** [HBH12]. **Exploiting** [SAK17]. **exploration** [ALK+20]. **explorative** [HLP15]. **exploratory** [Ano21c, CNSR23, MPSM22, MDV+18, Nia12, QT22, SP22a, SGAP14, SJA+14, SKR15, WPXZ13, ZKJ12]. **explore** [RCO20]. **Exploring** [GFK+20, KC22, WKB+15]. **expressions** [PPPdG20]. **Extended** [LLJ+14, QSM15]. **Extending** [KL18, KPG14, MKMW18]. **extent** [CO13]. **external** [LML+18, SSM21]. **extracting** [KLWA20]. **extreme** [BW22].

faced [BCPM20a]. **factors** [ASK+21, AKM+21, AN17, BABW12, BDB+18, CV21, ECRJFZ13, JMCC18, KHR18, KC22, KS20, Nia15, RK18b, TBP+17, WKB+15, Yag18, YAMM22]. **factory** [LSCP16]. **failure** [ZKK13]. **failure-inducing** [ZKK13]. **failures** [ST22].

fair [EKV15]. **fault** [AAYK20, CS19, JSI+22, LAF+18, LLJ+14, PCL21, PA16, SPC16, Wan21, ZLM+21]. **fault-prone** [AAYK20]. **faults** [Ano21q, BKZ13, DP15]. **FaultTracer** [ZKK13]. **Fear** [PNL12]. **feasibility** [KFT14]. **Feature** [DRGP13, Ano21r, BDGR12, EKG18, HZ14, HCL+17, LYL+12, LLLL21, MLM16, WPXZ13]. **features** [YYF+22, YZT22]. **feelings** [GWA15]. **FermaT** [PB17]. **fertilised** [BMCP15]. **few** [MA20]. **file** [RM22, ZKZH14]. **filter** [Ano21r, HIA19]. **financial** [KMP22, QHY+22, VvV15]. **find** [BO18]. **Finding** [GJC+18]. **Findings** [SK18, CKP15]. **Fine** [FM23]. **Fine-grained** [FM23]. **firefly** [KTYK16]. **Five** [Raj18b, CDR17]. **fix** [Hou14, TBP+17]. **fix-inducing** [TBP+17]. **fixability** [GS23]. **fixing** [OKÓ+17]. **flexibility** [NBF18]. **flexible** [GNIS18]. **FlexParser** [RM22]. **FLOSS** [GBRHO14]. **flow** [QSM15]. **fluctuations** [PCMCAC14]. **fluid** [QT22]. **focus** [TRC+17]. **focused** [KLC+14]. **focusing** [CMCG+12]. **forecasting** [Hou14, QHY+22]. **Foreword** [SA17]. **forges** [TP21]. **Formal** [BRDL21, BAAO+20, NL18, AMH15, BGM18, SLMW21, WZ17]. **Formalizing** [BDGR12, RRL22]. **formation** [AHKL20, ALK+20]. **formulas** [AHH17]. **Formulation** [NEU+19]. **forums** [KLWA20]. **forward** [ACM+14]. **FOSS** [DP15]. **four** [GS12, PBSA17]. **four-loop** [GS12]. **four-stage** [PBSA17]. **fragmentation** [CSGR17]. **Framework** [SS18, AMH15, AAM+20, AAM+21, AKM+21, AHKL20, Bab12, BCC+15, BLGZ18, Bor16, DLM23, ECRJFZ13, KLWA20, KHZ21, KMP22, KO13, LS14, LCM+15, LMC16, LB13, MMK16, NMA20, NBF18, OKA14, PKY14, RMCLGAM14, SDWA20, TGE17, TNLJ+17, UWGP15, UGI+14, ZIDM20, TST17]. **frameworks** [YT22]. **Framing** [PA16]. **fraud** [IZJG18]. **full** [CLAD17]. **full-tier** [CLAD17]. **function** [LC23]. **functional** [GNIS18, LGNEAO20, LLT20, MBMCP18, SL20]. **functions** [LSBV16, LSBV17, QSM15]. **Further** [ZBGH22]. **Future** [MGW+17, EAK13, McQ12, MKMW18]. **Fuzzy** [AIA20, ASK+21, AI21, El 18, HIA19, KKK+21, LC23, RAM+22, Yag18]. **fuzzy-TOPSIS** [KKK+21].

game [PVA+21]. **gamification** [AM20]. **genealogies** [BKZ13]. **generalized** [Hou14]. **generate** [GA20]. **generating** [LSRT16]. **generation** [BDS+22, HBG21, JKIU22, MMPN20, NRB13, PPPdG20, UIK20, XBS+21]. **generator** [BGM20]. **geographic** [CN12]. **German** [PBDJ16]. **getting** [GKS+12]. **GitHub** [GFKH18, LML+18, ZWW+20]. **GLOB** [NMA20]. **Global** [JW12, MVRP20, AMA+20, AMH+20, ASK+21, Bab12, BJBM21, CN12, GKS+12, HLP15, IK17, II17, JWP+16, KKN+19, KA20, KHZ21, LMB12, MAD12, NMA+17, NMA20, NPLP12, PL14, PNL12, Pri12, RK18a, RPV12, RMCLGAM14, SRSEGA14, UWGP15, YAMM22, dGNFAT17, AL17]. **globally** [BCSS18, Pri12, THP13]. **go** [dSVB+22]. **goal** [GLL+20, MKPB23, PGM21, SZ12]. **goal-driven** [PGM21, SZ12]. **goal-question-metric** [MKPB23]. **Goals** [PUWS21]. **Going** [OB20]. **good** [NEU+19]. **Governance** [BBD+22, ISK15, MVRP20, PPdAPP21]. **grained** [FM23]. **grammar** [AHH17]. **graph** [BCD14, CKP15, DMZ+22, YYF+22]. **graphs** [QSM15]. **GreCo** [MdGC+17]. **Green** [MdGC+17, CLAD17, RK18a, RK18b, SK18, CV21, GCPM19]. **greenness** [MAzGB18]. **Group** [RMOP20, ASG18, KMP22, MPB16]. **Grouping** [JMCC18]. **groupware** [Bab12].

groupware-supported [Bab12]. **growth** [Ano21q, CS19, FDM+18, HSvG17]. **GSD** [AKKM20, IK17, MVP12, RK18b]. **GSEPIM** [KKN+19]. **guardian** [KKW18]. **Guest** [CLC14, GW12, HZR16, KLG17, MC14, MTG22, RBM16]. **GUI** [AMB18, San14]. **guide** [MPM+20]. **guided** [LLLW18]. **Guidelines** [SBS20].

handling [SN14, VvV14]. **hands** [Bor16]. **hands-on** [Bor16]. **hardware** [OCCSBDBP20]. **hardware-in-the-loop** [OCCSBDBP20]. **hashing** [Kos14]. **HCI** [GdOK18]. **Health** [BNBA21, RGSR20, OFAT+18, PDP18, RLMC19, CKR18]. **healthcare** [ALR+22]. **healthiness** [BZ21]. **heart** [ZDV22]. **help** [PPdAPP21]. **hemodialysis** [LHR18]. **heuristic** [GA20]. **Hierarchical** [VHBK22]. **hierarchy** [AKKM20, ASK+21, AKM+21, KS20, KHZ21, SKK+18]. **High** [GCMS14, BW18, HMMR18]. **High-maturity** [GCMS14]. **higher** [BPKZ16]. **highly** [TUF20]. **historical** [EAK13]. **history** [OKA14]. **hoc** [OB17]. **hoisting** [VHBK22]. **homogeneous** [Ano21r, AFK22, HIA19]. **Horizontal** [HZ14, UC12]. **human** [ABG18, WPXZ13]. **human-centric** [WPXZ13]. **Hungarian** [SH23]. **Hybrid** [BHZK12, HAS21, ADH20, FPA17, GS23, JMR18, ÖTM18, PUWS21, RAM+22, SGAP14, TKK+21]. **hyperheuristic** [BLGZ18].

I/O [BMZP14]. **ICONIX** [LLT20]. **ICPC** [RBM16]. **ICSM** [CT13]. **ICSSP** [HAS21, KOPR17, PKBT16, RPZ14]. **idea** [NRB13]. **Identification** [KKK+21, Ano21v, HCL+17, LMdVT+12, PRNR14, RAS+13]. **identifier** [GDAG13]. **identify** [CMQ+20]. **Identifying** [CKP15, GFKH18, KKT12, QSM15, SVB+17, ND20]. **IEC** [LSCP16, MFA12, MM14, MPM+20, PHJ15, RFM16, SGSGYO19, TKS+14, VNM14, WCS14]. **IEEE** [PF18]. **II** [GS12]. **IM** [GS23]. **Image** [GS18a, Raj18a, XBS+21]. **image2emmet** [XBS+21]. **imbalance** [GS23]. **imbalanced** [Ano21u]. **Impact** [EKG18, SJG+14, BL15, BABW12, CN12, HLWL15, LHEG18, PJ16, SWT+16, SVSC20, SS18, TWL+21]. **impacts** [PCP18]. **imperfect** [Ano21q, CS19]. **implement** [ALR+22]. **implementation** [AMA+20, BAB+22, CsZZ+13, FMC+15, KK14, LCMCPA15, Nia12, Nia15, RYA+21, SGSGYO19, SS18, SDWA20]. **implementations** [MPM+20]. **Implementing** [PVA+21, SDG21, AÖAG16]. **implications** [HSvG17, WCS14]. **improve** [AMA+20, DCVM20, McQ12, MK22, RMAB15, VKPvV13]. **improved** [ARD+12, PCMCAC14, SDWA20, SAK17]. **Improvement** [BM12b, BMCP16, GSB+20, AM20, ABG18, BAB+22, BMP13, BMCP14a, BMCP14b, BMCP15, BCPM19, CKMN15, CMCG+12, CKP15, CG14, CCUP21, CO13, CPMS+14, ECRJFZ13, GPM+12, GP13, HHW12, KK14, KKT12, KKN+19, KJS+13, Kuh15, MBMCP18, MM14, Nia12, Nia15, NEU+19, OKA14, PGAP17, PSMM19, RAS+13, RMP+20, SSA15, SG20, TGE17]. **Improving** [BM12a, BM13, CDO+13, LYL+12, THP13, VvV14, ZLM+21, dH13, Kos21, MMK16, UFF18]. **imputation** [AIA20, IAA18b]. **incident** [VvV14, VvV15]. **incomplete** [AIA20]. **inconsistent** [CKS18]. **Increasing** [LSW13]. **Incremental** [Kos13, GK13]. **independent** [CLW22]. **indexed** [LLLL21]. **indexing** [CDO+13]. **India** [ŠW12]. **Indian** [CCUP21, SG20]. **indicators** [GKS+12]. **individual** [JMCC18]. **inducing** [TBP+17, ZKK13]. **Industrial** [BMP13, AY20, BMCP14c, ETT+21, GAA+22, KCH+17, LSW13, LS14, PCCRP21, RL14, SK18]. **industry**

[BW22, BCPM20a, BDS+22, CCUP21, CWBC17, GFK+20, MDSSMS15, MAL+13, NGvD13, NRB13, RBE+21, SSA15, SSB+20]. **industry-academia** [RBE+21]. **infer** [MBMR19]. **inference** [WWQ+21]. **influence** [ECRJFZ13, RTCL16]. **influencing** [JMCC18]. **informal** [DMS12]. **Information** [Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano14l, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k, Ano17l, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano18l, Ano19a, Ano19b, Ano19c, Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano22a]. **Information** [Ano22b, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano23a, Ano23b, Ano23c, VvV15, WL16, CG14, LHIE18, PCCRP21, RGSR20, SJA+14, VvV14]. **informed** [Gal20]. **infrastructure** [HOD+14, QT22]. **infrastructures** [FHS13]. **inhibitors** [SS18]. **initiatives** [CPSGAA20, KKT12, SS18]. **Innovation** [BMCP16, BCPM19, MBMCP18, NRB13, RDD+12]. **insertion** [PCL21]. **Insights** [KTP22]. **inspection** [CKS18, EMRF14, MFCP14]. **INSPEX** [BRDL21]. **instability** [MK22]. **institutions** [QHY+22]. **instructions** [Bor16]. **Integrated** [HBM+16, BM13, BMM19, ISK15, RDD+12]. **Integrating** [EMRF14, KTYK16, THP+16, VNM14]. **Integration** [SKTW14, SGSGYO19, vdGK12, IK17, KLC+14, SG20, WG18]. **Integration-based** [SKTW14, SG20]. **integration-focused** [KLC+14]. **intelligence** [MSK18]. **intelligent** [YF22]. **intensive** [AAA13, KGW13, OB20, ZPFV14]. **intentional** [NBD17]. **inter** [Kos14, MPB16]. **inter-group** [MPB16]. **inter-system** [Kos14]. **interaction** [CSGR17, MPB16, MMPN20, San14, WWQ+21]. **interactions** [DRM21, ECRJVA+18]. **interactive** [BDGR12]. **interest** [MB17]. **interface** [LLLL21, XBS+21]. **Internal** [LML+18]. **International** [KDK13]. **Internet** [BNBA21, IZJG18]. **interoperability** [YF22]. **interpretation** [NSDD17]. **interpretive** [AHKL20]. **interprocedural** [yCP12]. **interrupts** [KTHS16]. **interview** [KTP22]. **introducing** [OKÓ+17]. **Introduction** [BMC18, FKW13, GGPT12, KÓ16, KOPR17, MP16, PKBT16, GW12, HAE14, HZR16, KLG17, MTG22, RBM16, Wan21]. **Investigating** [DGVP21, FAA+17, SVSC20, JWP+16]. **investigation** [BAB+22, CPR15, JRSS13, KRR+16, KA20, LML+18, PBSA17, ZBGH22]. **Involving** [Lin15]. **IoV** [CZY+22]. **IR** [CDO+13]. **IR-based** [CDO+13]. **ISM** [RAM+22]. **ISO** [ADCG12, BMM19, FMC+15, IK14, KO13, LSCP16, MPS+16, MFA12, MM14, MPM+20, PHJ15, SGSGYO19, TKS+14, WCS14]. **ISO/IEC** [LSCP16, MFA12, MM14, MPM+20, PHJ15, SGSGYO19, TKS+14, WCS14]. **Issue** [Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano14l, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f,

Ano16g, Ano16h, Ano16i, Ano16j, Ano16k, Ano16l, Ano17a, Ano17b, Ano17c, Ano17d, Ano17e, Ano17f, Ano17g, Ano17h, Ano17i, Ano17j, Ano17k, Ano17l, Ano18a, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano18j, Ano18k, Ano18l, Ano19a, Ano19b, Ano19c, Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano22a]. **Issue** [Ano22b, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano23a, Ano23b, Ano23c, BMP13, FKW13, KLG17, KOPR17, PKBT16, RBM16, Ano13, BMC18, BBD+22, CKR18, CLC14, HAS21, KÓ16, KDK13, MC14, MAD12, MTG22, MP16, NSBR12, PP14, RPZ14, SA17]. **issues** [DGVP21, LM18, MVP12, SN14]. **IT-supported** [NRB13]. **items** [ZBGH22]. **iterative** [HBM+16]. **ITIL** [LCMCPA15]. **ITMark** [LSCP16]. **IWSC'13** [KR15].

Java [AAYK20, LSBV16, LSBV17, SAC21, TFPB14]. **JavaScript** [NSDD17, SVB+17]. **joint** [PGM21, RBE+21]. **JointConf** [DMZ+22]. **Jointly** [DMZ+22]. **journal** [CDR12, PF18]. **Jsvee** [Sir18]. **just** [HZ14]. **just-in-time** [HZ14].

Kanban [ALK+17, SDG21]. **KASL** [GS12]. **KASL-II** [GS12]. **Kelmu** [Sir18]. **kernel** [NH14]. **kernels** [WYW+13]. **key** [Yag18]. **know** [GKS+12]. **Knowledge** [BABW12, PPdAPP21, ATR+17, AJP14, CdSdAM16, CCUP21, CPMS+14, CNS14, CNPR13, GS12, LLLL21, NEU+19, RCO20, RHD+16, SP22a].

label [MAD+14]. **Labelling** [ZCL+18]. **Language** [BZ21, dGNA+16, HAN22, SNP22]. **languages** [Ano21p]. **LAPPI** [RAS+13]. **Large** [Kos14, ASA+20, AHH17, AAA13, DRM21, KHR18, KCH+17, KRG+13, LSBV16, LSBV17, MPB16, PRNR14, Pot16, SSM21, SSL15, SJA+14, TUF20, WKB+15]. **Large-scale** [Kos14, ASA+20, SSM21, WKB+15]. **late** [BKZ13]. **latent** [EKG18]. **law** [SP22b]. **laws** [GBRHO14, GG14]. **Layer** [OB17]. **LDA** [BHLO16]. **lead** [WKB+15]. **leakage** [LHA+16]. **Lean** [PSMM19, SSA15, ALK+17, RL14]. **learn** [COGFCA22, Kra13]. **learned** [BMCP16, CRP14, MFA12, MMJB16, NGvD13, RGS+15, RBFM15, ŠW12, VKPvV13]. **Learning** [Ost14, GAA+22, GS12, LMB12, NLNL20, SLL+21, SAC21, YZT22, ZLM+21, ZLW22]. **learning-based** [GAA+22]. **Least** [eLAA+23]. **Legacy** [SVB+17, BCSS18, HF12, PCdGCP13]. **Lehman** [GG14]. **Lessons** [MFA12, MMJB16, ŠW12, BMCP16, CRP14, NGvD13, RGS+15, RBFM15, VKPvV13]. **Level** [RMOP20, ETT+21, SKWD15, TST17, UIK20]. **levels** [GCMS14]. **leverage** [NRB13]. **leveraged** [BMCP14b]. **LHV** [Ano21b]. **library** [TFPB14]. **life** [AÖAG16, MPM+20, SDWA20, Sch12, ZPW12]. **life-cycle** [ZPW12]. **lifecycle** [NSBR12]. **lifetime** [Ano21s, BPKZ16]. **light** [RAS+13]. **light-weight** [RAS+13]. **lightweight** [CC13]. **limit** [CLMZ13]. **line** [HOD+14, KFT16, LHIE18, NBD17, OMTR12]. **linear** [AL15]. **lines** [BSEA14, BSB16, CGN17, Gal20, QVR+21]. **linguistic** [MVP12]. **Linux** [NH14, WYW+13, WG18]. **literal** [PCL21]. **Literature** [NBF18, AAG21, AHC21, BNBA21, BGM18, BDB+18, CGU22, JbAPT18, KA20, PDP18, RL15, SK18, SSB+20, VKC+21, YFL+22, YT22, ZKN+21]. **lived** [GBRHO14]. **LLP** [RGS+15]. **load** [ABS+23]. **local** [AAYK20]. **Localization**

[WL16, LLJ+14, PA16, SAK17, ZLM+21]. **localizing** [ZKK13]. **located** [dGNA+16]. **location** [DRGP13, EKG18, FAT22, WPXZ13]. **location-based** [FAT22]. **locators** [LSRT16]. **Log** [VBMH22, RM22, Sha15]. **logging** [Ano21c]. **logistics** [KO13]. **logs** [UTZ13]. **long** [GBRHO14, HSvG17]. **long-lived** [GBRHO14]. **long-term** [HSvG17]. **lookup** [WSB14]. **loop** [GS12, OCCSBDBP20].

Machine [GAA+22, LHR18, NLNL20, SAC21]. **Machines** [BGM20]. **maintainability** [ASACG13, LSW13]. **Maintenance** [BBD+22, FKW13, WRC+13, Ano13, CDF13, CLMZ13, KFYI13, MBD+22, MP16, PRGP12, QT22, SGD+13, TWL+21, UWGP15]. **Make** [SBPS12, LYL+12]. **making** [Ano21v, JMCC18, KS20, aRL21]. **Malaysian** [ABG18]. **malware** [MDV+18]. **manage** [IK14]. **management** [AAM+20, ASA+20, ALK+17, AMA+20, AKKM20, AMH+20, ASK+21, Ano21t, BHZK12, BCC+15, BMM19, CYK20, CG14, EKP18, FLGB22, GGPT12, HMB22, ISK15, KA20, KJS+13, Kos21, KST14, Lin15, MMK16, MMJB16, MM14, MPM+20, NRB13, NMA20, OB17, ZCL+18, dSPF+12]. **manager** [KBM+12]. **Managing** [AY20, GPM+12, HMMR18, JRSS13, LSFG20, UWGP15]. **manifesto** [KBM+12, GSB+20]. **Manipulation** [KLG17, CLC14]. **map** [KGW13]. **mapping** [CdMSNdCM+14, CAKA21, KPG14, KFT14, LLSA22, LHIE18, MMPN20, MdlRT19, RRDPD+13, TWL+21, ZIDM21, dSPF+12, dSVB+22]. **MapReduce** [MdlRT19]. **market** [GGPT12, HGGASVD14]. **market-driven** [GGPT12]. **Markovian** [BEB21]. **mass** [HGGASVD14]. **mass-market** [HGGASVD14]. **matching** [BCD14]. **matter** [GKS+12, GWA15]. **Maturity** [CG14, KJ14, SKTW14, ALR+22, ASG18, GdOK18, GGPT12, GGJ20, GCMS14, HHW12, Kos21, PPdAPP21, RMOP20, SVK+14, SG20, TST17]. **MDE** [ABQO14]. **MDE-based** [ABQO14]. **MDevSPICE(R)** [LCM+15, LMC16]. **mean** [RL14]. **Meaningful** [WPVS14, BGV18]. **means** [CS13, LSCP16]. **Measurement** [ADCG12, Al 15, KO13, RLTTC14]. **measures** [LLT20, LLJ+14, MV14]. **Measuring** [SG20]. **mechanism** [RCO20, RMP+20]. **mechanisms** [LGNEAO20]. **mechatronic** [BM12a]. **media** [CPMS+14, NPLP12]. **medical** [BGM18, CC13, Kra13, LCM+15, LMC16, MMK16, MMC14, ÖTM18, PK14, TRC+17, WFB+18]. **MedITNet** [MMK16]. **medium** [Abu16, ABG18, BAB+22, CG14, LCMCPA15, SG20]. **medium-sized** [LCMCPA15]. **Merge** [WG18]. **Merge-Tree** [WG18]. **Meta** [Sch12, AHA17, RRDPD+13]. **meta-model** [AHA17, RRDPD+13]. **Meta-service** [Sch12]. **metamodel** [SNP22]. **Metamorphic** [AEC23]. **Method** [WPVS14, Abu16, AL17, AAYK20, AFK22, AN17, CC13, DMS12, DHH+16, GA20, HB16, JWP+16, KMH+15, KFT14, MV14, RLR21, SPC16, SZ12, SAEH16, SR19, UWKRS21]. **Methodological** [RMCLGAM14]. **methodologies** [ASA+20, NGAEE22, UFF18]. **Methodology** [CMCG+12, BCC+15, FPA17, KST14, PRGP12]. **methods** [AG21, AAJE13, BRDL21, BGM18, CMQ+20, El 18, FQA17, HHW12, LSBV16, LSBV17, PJS+17, QBO+13, RGS+15, RK18b, SAC21, TKK+21, ZWW+20, ZKN+21, ZHC+18]. **metric** [MKPB23]. **Metrics** [Bol13, VKC+21, AVC20, CS13, EAK13, KFYI13, MRJ20, MAL+13, PGAP17, SVSC20, Sha15, SAEH16, SAC21]. **Mexican** [ECRJFZ16]. **Micro** [KFYI13, FMR13].

micro-structures [FMR13]. **microservice** [MLCW22]. **microservices** [OEC17, WCDY22]. **migrating** [FHS13]. **migration** [NGvD13, RL14, RL15, SV20]. **migrations** [TFPB14]. **milestone** [ZWW+20]. **minds** [RTCL16]. **mindset** [KTP22]. **mined** [LLLL21]. **Mining** [BCD16, GRK17, yCP12, JGHA14, JPW+17, PJS+17, RA15, SKTW14, UTZ13, ZTGG16]. **minority** [Ano21u]. **Misaligned** [LFT19]. **Mission** [eLAA+23, CPR15]. **Mission-critical** [eLAA+23, CPR15]. **mitigation** [BJBM21, ZIDM20]. **mixed** [Ano21t, HMB+18, ZWW+20]. **mixed-methods** [ZWW+20]. **ML** [GCMS14]. **ML-5** [GCMS14]. **Mobile** [PKY14, TRC+17, AMB18, CLAD17, LGS+17, LC23, UIK20]. **Model** [BDS+22, GEK14, GKHE18, OB17, SKWD15, AMH15, AHA17, AMH+20, ALR+22, ASACG13, Ano21p, Ano21q, BDGR12, BMM19, BH16, BSEA14, BJF12, ÇD19, DP15, FTW16, GLL+20, GGGBEM18, GS12, GdSC21, GJC+18, GdOK18, GGPT12, GD21, HD17, Hou14, JKIU22, JSI+22, eLAA+23, LMdVT+12, LC23, dSLBF15, MBMR19, MFCP14, MAMN19, NHLTL17, NL18, OMTR12, PGCMA15, PBSA17, QHY+22, RYA+21, RCL19, RF16, RRL22, SRSEGA14, SLVOP18, SVK+14, SSA15, SG20, SGD+13, SG17, TST17, UIK20, Wan21, WWKC18, dSPF+12, RRDPD+13, SKTW14]. **Model-based** [BDS+22, BSEA14, GGGBEM18, UIK20]. **model-driven** [AMH15, Ano21p, BJF12, DP15, HD17]. **modeler** [PJ16]. **Modeling** [CZY+22, HAN22, MGUA14, AAM+21, Ano21p, BHZK12, BJF12, COGFCA22, GGGBEM18, JMR18, LMOLG23, MCL+18, PJ16, RAS+13, RMAB15, SS18, TNLJ+17, ZKJ12, ZWK18, ZWY+20, eLAA+23]. **Modell** [KFT16]. **modelling** [AHKL20, CS19, FZW+18, PMT20, RLR21]. **models** [ABB14, AG21, Ano21t, DS17, HAN18, HHW12, KTYK16, KLC+14, LdONB22, NL18, PJW17, PCCRP21, RRDPD+13, VMSH13, YT22, ZKJ12]. **modern** [KJS+13]. **modernization** [PCdGCP13]. **modification** [HAN18]. **modularization** [DMT13]. **modularized** [DMZ+22]. **modules** [AFK22, BPKZ16, CMQ+20]. **monitoring** [AYB+18, LWY+16, MLCW22]. **Motivators** [NMA+17, ASA+20, KA20, AAM+21]. **moving** [AL15, MK22]. **MPT** [SLL+21]. **MPT-embedding** [SLL+21]. **Multi** [Ano21q, AFK22, BCSS18, GKHE18, HB16, KK14, OKÓ+17, UC12, UWKRS21]. **multi-case** [BCSS18]. **multi-criteria** [HB16]. **multi-method** [UWKRS21]. **multi-objective** [GKHE18, OKÓ+17]. **multi-sourcing** [UC12]. **multi-standard** [KK14]. **Multi-upgradation** [Ano21q]. **multicase** [BO21]. **Multicloud** [LM18]. **Multicriteria** [El 18, KS20, aRL21]. **multidimension** [KBHG17]. **multilevel** [VMSH13]. **multimodel** [KKT12, LS14]. **multiobjective** [KRR+16]. **multiplatform** [SR19]. **multiple** [BM12a, MPB16]. **multisourcing** [SK18]. **multisystem** [DRM21]. **multivocal** [AMA+20]. **mutants** [NLNL20]. **mutation** [BW22].

NasBASE [KÓ16]. **natural** [dGNA+16]. **natural-language** [dGNA+16]. **nature** [CN12]. **navigability** [VMSH13]. **NDN** [CZY+22]. **NDN-based** [CZY+22]. **need** [DS17]. **needed** [ABS+23]. **needs** [MDSSMS15, RDD+12]. **net** [SNP22]. **nets** [BEB21]. **Network** [MCSGBSA20, AHC21, JbAPT18, KTYK16, WYW+13]. **networks** [MMK16, PGAP17, VvV15, dSVB+22]. **neural** [HMB22, KTYK16, YYF+22, dSVB+22]. **next** [RPV12, dSVB+22]. **no** [CKMN15]. **non** [BEB21, COGFCA22, YFL+22, GS23]. **non-developers** [COGFCA22].

non-Markovian [BEB21]. **non-quality** [YFL+22]. **Non-Reproducible** [GS23]. **nonfunctional** [SGD+13]. **nonlinear** [Wan21]. **nonradial** [Ano21t]. **nonterminating** [WZ17]. **normalization** [BL15]. **Norway** [SDWA20]. **Norway-based** [SDWA20]. **notation** [COGFCA22]. **noun** [CDO+13]. **noun-based** [CDO+13]. **nuclear** [VNM14].

O [BMZP14]. **obfuscation** [SWT+16]. **object** [Al 15, EAK13, JWP+16, KRG+13]. **object-oriented** [Al 15, EAK13, JWP+16, KRG+13]. **Objective** [De 16, AFK22, GKHE18, KRR+16, OKÓ+17]. **Objective-driven** [De 16]. **offshoring** [BABW12]. **Onboarding** [BCSS18]. **Online** [BGV18, FDM+18]. **Ontology** [PCCP14, AAM+20]. **Ontology-based** [PCCP14, AAM+20]. **Open** [Wan21, Ano21s, Cap13, CNSR23, DRM21, HZ14, KC22, KFYI13, eLAA+23, LGS+17, NXC13, QB21, RCO20, YT22]. **open-source** [Ano21s, CNSR23, eLAA+23, LGS+17, NXC13]. **OpenPPM** [MMJB16]. **operation** [NSBR12]. **operations** [KFT16]. **operator** [ZCL+18]. **operators** [PGM21]. **opportunities** [Cap13, CdMSNdCM+14, MRJ20]. **optimization** [NSDP15, WSB14]. **optimization-based** [NSDP15, WSB14]. **optimizing** [HMMR18]. **oracled** [PPPdG20]. **oracles** [GAA+22]. **Orchestration** [HAN22]. **order** [SAK17]. **ordinal** [MV14]. **organization** [NBF18, RMOP20, WWKC18]. **organizations** [BMM19, ÇD19, ECRJFZ13, ECRJFZ16, dH13, KHR18, LFT19, PRGP12, RYA+21]. **oriented** [ARD+12, Al 15, AAJE13, BHZK12, EAK13, Gal20, JWP+16, JMR18, KRG+13, RLR21, SV21, UC12, WPXZ13, WRC+13, ZWK18]. **origins** [DRW14]. **osmosis** [LMB12]. **Osmotic** [FLGB22]. **other** [Kra13]. **outcome** [WKB+15]. **outsourced** [CRP14]. **outsourcing** [AKM+21, AHKL20, ALK+20, EKV15, UC12]. **over-sampling** [Ano21u]. **Owners** [UWKRS21].

package [MCSGBSA20]. **packages** [CKP15, RMCLGAM14, SVSC20]. **Pakistan** [SSA15]. **PAM** [Abu16]. **Papers** [BMP13, CDF13, KDK13, OP14, PP14]. **paradigm** [YAMM22]. **parallel** [AMB18, LWY+16, SSL15]. **parameters** [DMZ+22]. **parser** [RM22]. **Parsing** [AHH17]. **Partial** [eLAA+23]. **partially** [CRP14]. **Partition** [KL18]. **partnership** [AHKL20, ALK+20]. **passing** [LdONB22]. **past** [McQ12]. **pathways** [WFB+18]. **Pattern** [ZPFV14, ZWY+20, BCD14]. **Pattern-based** [ZWY+20]. **patterns** [FAA+17, FMR13, HAN18, HZ23, JGHA14, JPW+17, MGUA14, OKÓ+17, PVA+21, RRL22, SGSGYO19, SP22a, UTZ13, ZKZH14]. **payment** [EKV15]. **people** [KJS+13]. **perceived** [Pri12]. **Perceptions** [VBMH22, PJ16]. **perform** [WPXZ13]. **Performance** [AMB22, BMZP14, CV21, EKP18, GAA+22, dH13, LB13, OCCSBDBP20, PMT20, PJ16, RF16, UIK20, VvV14]. **performance-based** [PMT20]. **personal** [RF16]. **personality** [AY20]. **perspective** [ASA+20, BPKZ16, GGJ20, KPG14, Lin15, OEC17, SVK+14, WYW+13]. **perspectives** [BCPM20b, MKPB23]. **Petri** [BEB21, SNP22]. **phase** [Ano21a, IK14]. **phases** [LSFG20, LLT20, PBSA17]. **phenomenon** [MB17]. **physical** [BZ21, BGV18, BMS21, CYK20, GAA+22, GdSC21, MSBE20, PMT20, PDP18, RMP+20, TMDE21, ZIDM20, ZIDM21]. **PI** [NEU+19]. **picture** [UWKRS21]. **pilot** [ADH20, GSB+20]. **placement** [MSK18]. **plan** [RFM16]. **planning** [ASG18, KO13].

plans [PCMCAC14]. **platform** [BM12a]. **platforms** [FHS13, ZKN+21]. **PLC** [LSFG20]. **PLM** [GGGBEM18]. **PMBOK(R)** [MM14]. **POEML** [HAN22]. **point** [Ano21q, CS19]. **points** [AN17, BCC+15, MKA20]. **policy** [AYB+18]. **popularity** [SVSC20]. **portfolio** [ALK+17]. **porting** [SR19]. **possible** [KJ14]. **post** [BKS+17]. **post-commit** [BKS+17]. **power** [SP22b]. **Practical** [BGV18, BW22, RAS+13, RBFM15]. **practice** [EAD17, GGGBEM18, GdOK18, MKPB23, MGW+17, OKA14, PA14, SKTW14, SZ12, SH23, UWKRS21]. **Practices** [KHR18, BABW12, CWBC17, HGGASVD14, JW12, MPS+16, MGUA14, MMC14, RAM+22, RK18a, SSA15, TWFF18]. **Practitioner** [ALK+20]. **practitioners** [DS17]. **Pragmatic** [AM16]. **pragmatism** [LP17]. **pre** [BKS+17]. **pre-commit** [BKS+17]. **Pred** [IAA18a]. **predict** [EAK13]. **Predicting** [Ano21s, APL+14, GS23, ST22, SAC21]. **prediction** [AG21, Ano21a, Ano21u, BEB21, CMQ+20, CLW22, ETT+21, LHEG18, SLL+21, YZT22, ZHC+18, ZLW22]. **predictions** [KTYK16]. **Predictive** [HMB22, QT22]. **predictors** [TUF20]. **Preface** [KR15]. **prefactoring** [SLHS18]. **preprocessor** [GJ13]. **presence** [SJG+14]. **principle** [SKTW14]. **prioritization** [BLGZ18, KMB17, KHZ21, KKK+21, LYL+12]. **prioritize** [ASK+21, SLHS18]. **Prioritizing** [SKK+18, Yag18]. **proactive** [RCO20]. **probabilistic** [NL18]. **probability** [CS19]. **problem** [GS23]. **problems** [KJ14, KKT12, MVP12, RF16]. **Process** [BM12b, BMCP15, BMCP16, GSB+20, Jun12, PK14, RDD+12, RRDPD+13, SKTW14, SZ12, VBMH22, Abu16, AMA+20, AKKM20, ASK+21, AKM+21, ABB14, ABQO14, AM20, ADH20, ABG18, Bab12, BHZK12, BAB+22, BMM19, BKS+17, BJF12, BMP13, BMCP14a, BMCP14b, BCPM19, BCPM20b, BSB16, CKMN15, CMCG+12, CKP15, CG14, CCUP21, CO13, CLMZ13, CNS14, De 15, De 16, DMS12, DS17, Dow14, ECRJFZ13, Gal20, GGGBEM18, GPM+12, GP16, GP13, GdOK18, GGPT12, HAN18, HD17, HHW12, HLWL15, JMR18, JRCMWE23, JN12, KK14, KLC+14, KKT12, KKN+19, KS20, KA20, KHZ21, KBHG17, KJS+13, Kos21, KMP22, Kuh15, KFT16, KFYI13, LCM+15, LMC16, LYL+12, LHA+16, Lin15, aRL21, LLT20, MBMCP18, MV14, MA12, Nia12, Nia15, NEU+19, NSBR12, OMTR12, OKA14, PCCP14, PJ16, PSMM19, RAS+13, RMAB15, RF16, RLR21]. **process** [SDWA20, SGSGYO19, SL20, Sch12, SN14, SV21, SGAP14, SKK+18, SG20, SBPS12, Stu12, THP+16, UC12, VMCN20, WCS14, WPXZ13, WWQ+21, ZKJ12, ZRB+14, ZWK18, ZWY+20, HAN22, PF18, CDR12]. **process-based** [KHZ21]. **process-oriented** [SV21, UC12, WPXZ13]. **process-related** [KMP22]. **processes** [ARD+12, BSEA14, CGU22, CRP14, DMT13, DHH+16, EMRF14, FAT22, GNIS18, HAS21, LWY+16, Ost14, RPZ14, RMAB15, Rya16, SH23, THP13, ZPW12]. **product** [BSEA14, BDS+22, CGN17, GGPT12, HOD+14, HBH12, JPvdW+17, LHIE18, NBD17, OMTR12, PBDJ16, QVR+21, RDD+12, UWKRS21]. **production** [NSDP15, SPC16, TMDE21]. **productivity** [AN17, AN18, GWA15, HOJ15]. **products** [BPKZ16, KGW13, ŠW12]. **profile** [MCL+18, MPM+20]. **profiling** [HBH12]. **Program** [GAA18, RBM16, BMC18, KK14, KFYI13, MM14, PA16, San14, Sir18, WZ17, WSB14, ZKK13]. **programme** [MFA12]. **programming** [AAJE13, yCP12, LLLL21]. **programs** [MdlRT19]. **progressive** [PBSA17]. **Project** [AN18, AHA17, ADH20, Ano21a, Ano21t,

AN17, CMQ+20, CLW22, Dow14, GBRHO14, MGUA14, MMJB16, MM14, NMA20, PCP18, PCMCAC14, Pri12, RGS+15, RBE+21, SDWA20, SSB+20, dSPF+12]. **projects** [AAM+20, AHA17, Ano21s, BM12a, BCSS18, CKMN15, Cap13, CN12, DFGP18, GKS+12, JWP+16, JMCC18, JRCMWE23, KC22, LMdVT+12, dSLBF15, NPLP12, PGAP17, PPdAPP21, PNL12, QB21, RCL19, SSM21, SAC21, Yag18, dSVB+22]. **PROMETHEE** [El 18]. **promotion** [TWFF18]. **prone** [AAYK20, EAK13]. **proneness** [QT22, ZHC+18, ZLW22]. **propagation** [BKZ13]. **properties** [KBHG17, SGD+13]. **property** [CNS14]. **Propinquity** [Pri12]. **Proposal** [OKA14]. **proposed** [PGCMA15, SDWA20]. **prospective** [AMA+20]. **prospects** [MCSGBSA20]. **Protecting** [IZJG18, KKW18]. **protocols** [BAAO+20]. **provenance** [BNBA21]. **provide** [UWKRS21]. **provider** [VvV15]. **proximity** [SAK17]. **Pthreads** [FZW+18]. **published** [LSBV17]. **pull** [Ano21s]. **Purity** [NSDD17]. **Python** [HZ23, SAD22, TFAL21]. **Python/C** [HZ23].

qualitative [EAD17, LHR18, SH23]. **Quality** [GKS+12, RMP+20, ST23, YT22, CN12, GLL+21, HBH12, JWP+16, LC23, LMOLG23, LML+18, MRJ20, MDV+18, MAL+13, NBD17, Pot16, SSA15, UFF18, VMSH13, WWKC18, YFL+22, ZKZH14]. **quality-centric** [NBD17]. **quantification** [ADCG12]. **Quantifying** [EKV15, Bol13, EAK13]. **Quantitative** [Ano21t, Gal20, LHR18]. **quantum** [HMB22]. **question** [MKPB23]. **questions** [Ano21c]. **quickly** [COGFCA22].

R [MCSGBSA20, Bor16, vdGK12]. **R/3** [vdGK12]. **radial** [Ano21t]. **radius** [Ano21u]. **radius-synthetic** [Ano21u]. **railway** [BDS+22]. **ranking** [SVSC20]. **rate** [HSvG17]. **rating** [DGVP21, Jun12]. **Rationale** [AEC23]. **re** [SG17, BCD13]. **re-assessing** [SG17]. **readability** [SLVOP18]. **Readiness** [AMH+20, RYA+21, NMA20, SG20]. **real** [BO21, SDWA20]. **real-life** [SDWA20]. **Reality** [LP17]. **realize** [DHH+16]. **Realizing** [NGvD13]. **really** [GKS+12]. **reasoning** [AIA20]. **recognition** [GDAG13]. **recommend** [CdSdAM16]. **recommendation** [GLL+21, LLLL21, OKÓ+17, WWQ+21]. **recommendations** [Raj18b]. **recommending** [XLWZ15]. **reconfiguration** [HMB+18]. **record** [AM16]. **recovered** [DMT13]. **recovering** [PCdGCP13]. **recovery** [BCD13, CDO+13, QBO+13, ZPFV14]. **reduce** [KTHS16]. **reducing** [ABS+23]. **Reengineering** [FKW13, Ano13, CDF13]. **Refactoring** [KTHS16, AAJE13, CKS18, GJ13, GEK14, GKHE18, MRJ20, MAMN19, OKÓ+17]. **refactorings** [CKS18]. **refinement** [DFGP18]. **Reflecting** [NPLP12]. **reflections** [BABW12, RTCL16]. **reflexion** [Kos13]. **Regression** [UY13, AMH15, AL15, IAA18b, KMB17, MKPB23]. **regression-based** [IAA18b]. **regressions** [BMZP14]. **regular** [PPPdG20]. **regulated** [DT18]. **relate** [MAD+14]. **related** [KMP22, TBP+17]. **relating** [RGS+15]. **relation** [AEC23, DRM21, SAPF22]. **relations** [DGVP21]. **relationship** [AN17, KCH+17, LSBV16, LSBV17, SP22a]. **relative** [BPKZ16]. **Release** [CNSR23]. **releases** [JPvdW+17]. **relevance** [HCL+17]. **relevant** [PJS+17, ZCL+18]. **reliability** [Ano21q, BDG+23, CS19, KHZ21, Wan21]. **reliable** [BW18]. **remediation** [TFAL21]. **repair** [WWQ+21]. **repeat** [DRM21]. **replay** [AM16]. **replicated** [FQA17]. **Report**

[TKS+14, AÖAG16, BDS+22, KK14, PMT20, SV20, TP21, WWKC18, ZTGG16]. **reported** [DGVP21]. **reports** [ATR+17, RHD+16]. **repositories** [AIA20, CdMSNdCM+14, JGHA14, TUF20]. **representation** [SLL+21]. **representatives** [PJ16]. **Reproducible** [GS23]. **reproduction** [NHLTL17]. **request** [CdMSNdCM+14]. **requests** [Ano21s, HZ14, KGPH12]. **required** [LP17]. **Requirement** [AKKM20, ASK+21, AÖAG16, VMCN20, YAMM22, ZWK18]. **requirement-oriented** [ZWK18]. **Requirements** [DFGP18, ARD+12, AMA+20, AMH+20, ASACG13, AL17, AHC21, BCPM20a, CKG15, GGPT12, HZ14, HBM+16, JRSS13, JN12, KLWA20, KA20, KST14, KMH+15, LHA+16, OFAT+18, PGCMA15, PVA+21, SDWA20, SL20, TNLJ+17, WCS14, WKB+15, dGNA+16, dGNFAT17]. **resampling** [ZLM+21, ZHC+18]. **Research** [RPV12, Ano21v, CDF13, CKR18, DFGP18, Dow14, KMP22, MKPB23, MGW+17, RBE+21, ST23, SBS20, SV21, SH23, UWKRS21, WWKC18, YFL+22]. **research-driven** [WWKC18]. **residual** [HLWL15]. **Resilient** [LAF+18]. **resistance** [CMCG+12]. **resolution** [DRM21]. **resolve** [XLWZ15]. **resolving** [VvV15]. **resource** [AVC20]. **resources** [HMMR18]. **responsibility** [MSB+14]. **restructuring** [MPSM22]. **restructurings** [NBCM17]. **Results** [BMCP16, BDB+18, HSvG17, LSCP16, RM22, dSPF+12]. **retention** [RCO20]. **retraining** [ST22]. **retrieval** [SAK17]. **retrospective** [CDR17, CDF13, EPG18, HBH12, Kuh15]. **reusable** [MGUA14]. **reuse** [AJP14, ADH20, AM16, PGCMA15, RCL19, SG17, dGNA+16, dGNFAT17]. **reuse-based** [dGNA+16, dGNFAT17]. **Reusing** [HAN18]. **Reverse** [OP14, PP14, GAA18, MBMR19, QSM15, PCCRP21]. **reverse-engineered** [GAA18]. **review** [AAG21, AJP14, AHC21, BNBA21, BGM18, BDB+18, CGU22, CPSGAA20, GAA18, HHW12, JbAPT18, JW12, KKT12, KA20, MKA20, NBF18, PTK13, PDP18, RA15, RL15, RBG15, SK18, SSB+20, VKC+21, YT22, ZKN+21]. **Reviewer** [Ano17m]. **reviews** [BKS+17, GLL+20, LLLW18]. **rewards** [SV21]. **Rich** [WL16]. **rigorous** [SLMW21]. **risk** [AAM+20, BMM19, BJBM21, HMMR18, ISK15, LMdVT+12, Lin15, dSLBF15, MLCW22, MMK16, ZIDM20]. **risk-enabled** [MLCW22]. **Risks** [BJBM21, Nia12, ZIDM21]. **roadmap** [ALR+22, Ano21v, CKR18, FMC+15, JPvdW+17, KKN+19]. **robotic** [JRCMWE23]. **Robula** [LSRT16]. **robust** [AKM+21, LSRT16]. **role** [BCD16]. **role-based** [BCD16]. **root** [RF16]. **ROS** [LGNEAO20, LAF+18]. **ROS-based** [LGNEAO20]. **Rule** [KST14, LMdVT+12, OCCSBDBP20]. **Rule-based** [KST14, LMdVT+12, OCCSBDBP20]. **rules** [yCP12, DMS12, HBG21, PJW17]. **run** [THP+16]. **run-time** [THP+16]. **runs** [SPC16]. **runtime** [SPC16].

S# [LHR18]. **SaaS** [MSK18]. **Safe** [BMS21, BW18, TMDE21]. **safety** [BM13, Gal20, GNIS18, JN12, LGNEAO20, LHR18, MBMCP18, MSBE20, PGM21, RGSR20, ST22, VMCN20, Wal18]. **safety-critical** [JN12, MSBE20, ST22, Wal18]. **safety-oriented** [Gal20]. **same** [ADCG12, CMQ+20]. **sampling** [Ano21u]. **SANER** [SA17]. **SAP** [vdGK12]. **Savalan** [AFK22]. **scalable** [ACM+14, BAAO+20]. **scale** [ASA+20, Kos14, PRNR14, SSM21, SSL15, WKB+15]. **Scaled** [KMP22, TST17, TST17]. **Scaling** [KHR18, AAM+21]. **SCAM** [KLG17, CLC14]. **SCAN** [MAD+14].

scenarios [ISK15]. **schema** [ZPFV14]. **scheme** [KBM+12, MK22]. **science** [JSI+22, MDSSMS15, SV21]. **Scorecard** [dH13]. **Scorecard-based** [dH13]. **scripted** [SGAP14]. **scripts** [BDS+22]. **SCRUM** [SDWA20, ÇD19, GP13, PGAP17, PCMCAC14]. **Search** [FTW16, GEK14, GKHE18, JKIU22, KÓ16, SKWD15]. **Search-based** [FTW16, GEK14, JKIU22, KÓ16, SKWD15]. **Searching** [CdSdAM16]. **section** [CT13, HH12, KR15]. **sector** [Ano21b, KO13, SSB+20]. **secure** [BW18, BMS21]. **Security** [AYB+18, BNBA21, CYK20, MSBE20, MSK18, ZIDM21, CG14, Gal20, GLL+21, GNIS18, KKK+21, LSFG20, PGM21, QHY+22, UFF18, WSB+21, ZIDM20]. **Security-** [MSBE20]. **Security-aware** [MSK18]. **security-informed** [Gal20]. **Segmentation** [WPVS14]. **segments** [MAD+14]. **Selected** [BMP13, MBMCP18, KDK13]. **Selecting** [TUF20]. **Selection** [RAM+22, Ano21r, CDF13, KMB17, aRL21, MLM16, OP14, PP14, UC12, UY13]. **self** [GWA15, MKMW18]. **self-assessed** [GWA15]. **self-driving** [MKMW18]. **semantic** [Ano21c, Ano21p, KKW18, YF22, YYF+22, YZT22]. **semantics** [WZ17]. **sensitive** [ARSH16]. **sensitivity** [Jun12, LHA+16]. **sentence** [MLM16]. **sequence** [GAA18, LCMCPA15, SNP22, YYF+22]. **series** [HH12, RHL15]. **Service** [BMCP16, UC12, ARD+12, AMB18, AMB22, Ano21p, AYB+18, BCPM19, KO13, LM18, MBMCP18, MKMW18, NGvD13, RLR21, Sch12, UTZ13, VvV15, WRC+13, ZDV22]. **service-oriented** [ARD+12, RLR21]. **Services** [BM12b, ARD+12, BH16, EKP18, FAT22, PCdGCP13, PGM21]. **set** [LHEG18]. **setting** [ETT+21, HD17]. **settings** [HLP15, LS19]. **SFLA** [GA20]. **SFLA-based** [GA20]. **shared** [BMCP14c]. **sharing** [BABW12, CCUP21, GS12, LHEG18, VvV15]. **similar** [SBPS12]. **Similarities** [Cap13]. **similarity** [PCCP14]. **Simple** [ARSH16]. **Simplified** [YZT22, COGFCA22, MFCP14, PB17]. **Simplifying** [NBCM17]. **Simulation** [CLMZ13, BHZK12, BKS+17, GP16, OCCSBDBP20, ZRB+14]. **simulator** [MVP12]. **since** [OKA14]. **single** [KRR+16]. **single-objective** [KRR+16]. **sites** [AHC21]. **situation** [PKY14]. **situation-aware** [PKY14]. **size** [LLT20]. **sized** [LCMCPA15]. **sizes** [SP22b]. **Skills** [SRSEGA14, ISK15, MDSSMS15, RDD+12, TWFF18]. **slicing** [ACM+14, HF12, KFYI13, WZ17]. **SLOC** [LSBV16, LSBV17]. **SLR** [ASA+20, KKK+21]. **small** [Abu16, ABG18, BAB+22, CG14, ECRJFZ13, ECRJFZ16, GPM+12, LS19, LCMCPA15, MPS+16, MPM+20, PRGP12, SG20]. **smaller** [BPKZ16]. **smart** [AVC20, PKY14]. **SME** [BABW12]. **smell** [AAG21, MRJ20, RA15]. **smells** [MAMN19, OKÓ+17, SLHS18, SP22a, SAPF22]. **SMEs** [Abu16, CO13, SS18]. **Snapshot** [BMCP14c, TPB+17]. **SOA** [RL15]. **Social** [AHC21, MSB+14, AY20, CPMS+14, ECRJVA+18, NMA+17]. **sociocultural** [GSB+20]. **Software** [AAG21, AL17, Ano21u, BM12b, BMCP14b, BMCP16, DS17, FKW13, HOJ15, IK17, aRL21, MPS+16, McQ12, MTG22, MAL+13, PF18, PCdGCP13, PDP18, PBDJ16, Rya16, TFAL21, VBMH22, WWKC18, ZRB+14, ZHC+18, ZLW22, AAM+20, AIA20, ASA+20, ARD+12, ATR+17, ALK+17, AY20, AHA17, AMH+20, ASK+21, AKM+21, AÖAG16, ASG18, ABB14, AM20, AHKL20, ADH20, ALK+20, AG21, ABG18, AL15, AI21, Ano13, Ano21b, Ano21a, Ano21q, Ano21t, Ano21v, AFK22, AAA13, AN18, Bab12, BW18, BM12a, BHZK12, BAB+22, BH16, BJBM21, BSEA14, BPKZ16, BMP13,

BMCP14a, BCPM19, BCPM20a, BCPM20b, BSB16, BGM18, Bor16, BDB+18, BCSS18, Cao12, CDF13, CDO+13, CKR18, CPR15, CC13, CGU22, CN12, CdMSNdCM+14, ÇD19, CNSR23, CAKA21, CKG15, CS19, CS13, CKS18, CGN17, CCUP21, CO13, CLMZ13, Dow14, ETT+21]. **software** [EIA19, EAK13, ECRJFZ13, ECRJFZ16, FDM+18, FQA17, FPA17, FHS13, GPM+12, GP16, GFK+20, GP13, GS18b, GA20, GKHE18, Ghe17, GJC+18, GdOK18, GBRHO14, GKS+12, GWA15, GD21, HAN18, HH12, dH13, HB16, HSvG17, HAS21, HLP15, HBM+16, HIA19, HLWL15, HCL+17, IAA18a, IAA18b, II17, JGHA14, JWP+16, JPvdW+17, JW12, JMCC18, JN12, KGPH12, KC22, KTYK16, KKT12, KÓ16, KKN+19, KA20, KHZ21, KGW13, KCH+17, KR15, Kos21, KMP22, KRG+13, Kru13, Kuh15, KFT16, KFYI13, KO13, LSW13, LMB12, LP17, eLAA+23, LMdVT+12, LCMCPA15, LFT19, LCM+15, LMC16, LYL+12, LLSA22, Lin15, LLLW18, LHEG18, dSLBF15, LHIE18, MKA20, MBD+22, MVRP20, MGUA14, MPB16, MBMCP18, MMC14, MDSSMS15, MGN18, MAD12, MFCP14, MA20, MP16, MAMN19, MPM+20, NXC13, Nia12, Nia15, NMA+17, NSDP15, NPLP12]. **software** [ND20, NBF18, OEC17, OMTR12, OKA14, OB20, Ost14, ÖTM18, PL14, PGCMA15, PJW17, PA14, PBSA17, PKY14, PRNR14, PPdAPP21, PRGP12, PNL12, PK14, PSMM19, PUWS21, Pri12, QVR+21, RPZ14, RYA+21, RLMC19, Raj18b, RCL19, RMOP20, RMAB15, RK18a, RK18b, RCO20, RF16, RTCL16, RPV12, RBE+21, RBG15, RLTTC14, RMCLGAM14, RHL15, RFM16, ST23, SSM21, SDWA20, SKWD15, SVSC20, SK18, SRSEGA14, SKTW14, SGSGYO19, SAM13, SPC16, SSA15, SKK+18, SJA+14, SS18, SP22b, SAEH16, SLL+21, SG20, ŠW12, SV20, SBPS12, SAC21, SG17, SH23, TP21, TGE17, TUF20, TWL+21, TWFF18, THP+16, THP13, UWGP15, VKPvV13, VKC+21, Wan21, Yag18, YZT22, YAMM22, YFL+22, YT22, ZKJ12, ZKZH14, ZWK18, ZWY+20, dSPF+12, dGNFAT17, dSVB+22, GSB+20, HOD+14, OCCSBDBP20, RRDPD+13, CDR12]. **software-intensive** [AAA13, OB20]. **solution** [AEC23, ETT+21, GGGBEM18]. **solutions** [BW18, CdSdAM16, KJ14, KKT12, MVRP20, UWGP15]. **Source** [BHLO16, AVC20, Ano21s, AM16, Cap13, CLC14, CNSR23, DRM21, DRGP13, HZ14, KC22, KMH+15, KFYI13, eLAA+23, LGS+17, MLM16, NXC13, NBCM17, QB21, RCO20, SAPF22, SAK17, Wan21, YT22, KLG17]. **Sources** [WL16]. **sourcing** [UC12]. **Space** [PBDJ16]. **Spanish** [GP13]. **spatial** [SAK17]. **Special** [Ano13, BMP13, CKR18, CT13, FKW13, KLG17, KDK13, KOPR17, MC14, MAD12, NSBR12, PF18, PKBT16, PP14, RPZ14, BMC18, BBD+22, CLC14, HAS21, KÓ16, KR15, MTG22, MP16, SA17, RBM16]. **specific** [EMRF14]. **specification** [GDJV18, dGNA+16]. **specifications** [Bol13, BGM20, PCL21, TG20]. **spectrum** [ZKK13]. **spectrum-based** [ZKK13]. **speech** [GDAG13]. **speed** [MPB16]. **SPI** [BMCP15, ECRJFZ16, KBM+12, LS19, MFA12, MSB+14, SS18, UGI+14]. **SPICE** [Gal20, ISK15, MKMW18, NGAEE22, SVK+14, SBPS12, VNM14]. **SPICE-compliant** [Gal20]. **spin** [Dow14]. **spin-out** [Dow14]. **splitting** [GDAG13]. **Spreadsheet** [KKW18, ADFT16]. **spreadsheets** [KKW18]. **sprint** [EPG18, PCMCAC14]. **Square** [eLAA+23]. **srcDiff** [DCVM20]. **srcSlice** [ACM+14]. **stable** [HG13]. **stage** [PBSA17]. **staged** [BDGR12]. **stakeholder** [BHZK12]. **stakeholder-oriented** [BHZK12]. **stakeholders** [LYL+12]. **standard** [KK14]. **standardized** [IAA18a]. **standards** [ASACG13, KO13, PGM21]. **standards-based** [ASACG13]. **State**

[BGM20, GS18b, PA14]. **state-of-the-art** [GS18b]. **states** [AHA17]. **static** [ACM+14, BCD16, CNS14, WRC+13, SJG+14]. **statistical** [EPG18, NL18, TKK+21]. **stealth** [BRDL21]. **stochastic** [BEB21]. **stores** [LLLL21]. **story** [NEU+19]. **strategic** [OB17]. **Strategy** [OB17, ABQO14, BM12a, PCL21, PHJ15, RL14]. **stream** [KPG14]. **structural** [AAM+21, AHKL20, EKG18, GA20, JKIU22, SS18, eLAA+23]. **structure** [WCDY22, YYF+22]. **structures** [FMR13]. **student** [MDSSMS15]. **studies** [BABW12, CAKA21, MKA20]. **study** [AAM+20, ALK+17, AY20, AHA17, AMA+20, ABG18, AAYK20, Ano21b, BKZ13, BO21, BCSS18, CdMSNdCM+14, CNSR23, CAKA21, CV21, CNS14, DRM21, EAD17, ECRJFZ16, EKV15, FQA17, GFK+20, GAA+22, GP13, GdOK18, HD17, HLP15, HZ23, JPvdW+17, KTP22, KFT14, KFYI13, KO13, LSW13, LMB12, LS19, LGS+17, LLSA22, LHIE18, LLJ+14, MPSM22, MGUA14, MPB16, MDV+18, MdlRT19, NH14, NXC13, Nia12, Nia15, NMA+17, OCCSBDBP20, PMT20, PCP18, PCCRP21, PCMCAC14, QHY+22, QT22, RGS+15, RMOP20, RL14, RBE+21, RHD+16, RRDPD+13, SP22a, SDG21, SJA+14, SKR15, TFAL21, TGE17, TFPB14, TWL+21, TMDE21, TBP+17, VvV15, WPXZ13, WSB+21, YAMM22, ZIDM21, ZKJ12, ZKZH14, dSPF+12, dSVB+22]. **Studying** [GK13, GBRHO14, KRG+13, Ost14]. **styles** [CNPR13]. **Success** [RK18b, YAMM22, ASK+21, BDB+18, KHR18, LYL+12, MSB+14, Nia15, RGS+15, Yag18]. **success-critical** [LYL+12]. **Successful** [CKMN15]. **Successfully** [Dow14]. **suffix** [Kos14]. **suite** [EAK13, UY13]. **summarization** [MLM16]. **summarizing** [CKS18]. **supplier** [KJ14, NRB13]. **Support** [IAA18b, GP16, HB16, KTHS16, KL18, KMH+15, LHEG18, dSLBF15, NSDP15, NGAEE22, RMAB15, SKTW14, Sch12, THP13, WRC+13, ZCL+18, ZPW12, dGNFAT17]. **supported** [Bab12, NRB13]. **Supporting** [CKG15, KLC+14, Stu12, VKPvV13, ADH20, MSB+14]. **survey** [AMB22, DRGP13, FMR13, LM18, MPS+16, MAMN19, SK18, SAM13]. **survivability** [ZBGH22]. **survival** [SPC16]. **Sustainability** [OFAT+18, BAB+22, CGN17, LP17, SL20]. **sustainable** [PJW17, RK18a, RK18b, SK18]. **swarm** [MSK18]. **symbolic** [CsZZ+13]. **Symposium** [KDK13]. **synchronicity** [NPLP12]. **syndrome** [ZDV22]. **syntactic** [DCVM20, NBCM17]. **syntax** [YZT22]. **Synthesis** [FAT22]. **synthesize** [GRK17]. **synthesizing** [WCDY22]. **synthetic** [Ano21u]. **SysML** [MCL+18]. **System** [BMCP16, ASACG13, AAA13, BCPM19, CYK20, Kos14, aRL21, MBMCP18, MBMR19, NH14, PRNR14, SGD+13, THP+16, VKPvV13, dH13]. **Systematic** [KA20, AAG21, AJP14, AHC21, BNBA21, BGM18, BDB+18, CGU22, CdMSNdCM+14, GAA18, JbAPT18, JW12, JPW+17, LLSA22, LHIE18, MKA20, MMPN20, MdlRT19, PTK13, PDP18, RL15, RBG15, RRDPD+13, SK18, VKC+21, YT22, ZIDM21, ZKN+21, dSPF+12, dSVB+22]. **systematization** [Kuh15]. **SystemC** [NL18]. **Systems** [BM12b, BBD+22, KDK13, dSLBF15, MCL+18, RRDPD+13, SDG21, ALR+22, BW18, BM12a, BM13, BZ21, BGV18, BMS21, BGM18, BO21, CPR15, CYK20, DLM23, DP15, FLGB22, FHS13, GAA+22, GdSC21, HF12, HAS21, HBM+16, HMMR18, JN12, KRG+13, LSW13, LdONB22, MLCW22, MSBE20, MA12, OB20, OCCSBDBP20, PMT20, PCCRP21, PRNR14, PDP18, RPZ14, RGSR20, RMP+20, SJA+14, SLMW21, ST22, TNLJ+17, TMDE21, UFF18, Wal18,

YF22, ZIDM20, ZIDM21, ZPFV14, vdGK12]. **Systems-of-systems** [MCL+18, GdSC21].

table [WSB14]. **tailoring** [ABQO14, Gal20, Sir18]. **TALAIA** [MMJB16]. **target** [CLW22, RAS+13]. **task** [FPA17, II17, LMdVT+12, ZKN+21]. **tasks** [CdSdAM16, WPXZ13]. **Taxonomy** [RLMC19, RLTTC14, AAJE13, DRGP13, KS20]. **Taxonomy-based** [RLMC19]. **teaching** [De 15]. **Team** [SSM21, ECRJVA+18, GJC+18, GGJ20, RMOP20, SRSEGA14]. **Team-external** [SSM21]. **teams** [ASA+20, BCSS18, KTP22, PA14, Pri12]. **teamwork** [RLTTC14]. **Technical** [SN14, CN12, CWBC17, HBM+16, KTHS16, MB17, TFAL21, ZBGH22]. **technique** [Ano21u, EKG18, GJC+18, KMB17, RAS+13]. **techniques** [AAG21, Ano21r, GDAG13, MMPN20, MBMR19, MAMN19, PPPdG20, RA15, dGNA+16]. **technology** [BDB+18, CPSGAA20, HD17]. **TeLESM** [OB17]. **temporal** [BGV18, LWY+16]. **term** [HSvG17]. **terminological** [HBG21]. **test** [BLGZ18, BDS+22, EMRF14, GAA+22, GA20, GRK17, Hou14, JKIU22, KMB17, LdONB22, MMPN20, PPPdG20, QBO+13, RAM+22, SN14, SBPS12, UY13, UIK20, vdGK12, SAD22, SBPS12]. **test-and-fix** [Hou14]. **test-to-code** [QBO+13]. **Testing** [BPKZ16, MTG22, MdlRT19, AMH15, ABS+23, AMB18, AMB22, BDG+23, BW22, CS19, DLM23, FDM+18, FQA17, GP16, GFK+20, GAA+22, HH12, JKIU22, JSI+22, JRCMWE23, KMB17, LSRT16, LYL+12, LdONB22, MLCW22, MKPB23, QHY+22, RLMC19, SKWD15, SGAP14]. **TestSPICE** [SN14]. **text** [DRW14, PJS+17, ZTGG16]. **text-based** [DRW14]. **textual** [HBG21]. **thef** [PF18]. **their** [DGVP21, FMR13, SN14, VKPvV13]. **them** [BO18]. **themes** [BMCP14a]. **theory** [BPKZ16, NPLP12]. **There** [TPB+17]. **these** [MVP12]. **Things** [BNBA21]. **Thinking** [SDG21, RTCL16]. **Three** [OB17, BCSS18, PJ16]. **Three-Layer** [OB17]. **thresholds** [Sha15]. **throughout** [AÖAG16, KKW18]. **TIDIER** [GDAG13]. **tier** [CLAD17]. **Time** [RHL15, ABS+23, HH12, HZ14, LHA+16, THP+16, WKB+15]. **time-series** [HH12]. **timed** [SNP22]. **times** [DRM21]. **TIPA** [CRP14]. **TMAP** [PJS+17]. **Token** [WLL+23]. **Token-based** [WLL+23]. **tolerance** [LAF+18]. **tomorrow** [RPZ14]. **tool** [ABB14, ADFT16, CsZZ+13, CPMS+14, GPM+12, NSDP15, SV21, ZWW+20]. **tooled** [KLC+14]. **tools** [Bor16, MDSSMS15, NPLP12, PJ16]. **top** [AAA13]. **top-down** [AAA13]. **Topics** [BM12b]. **topological** [HMMR18]. **TOPSIS** [KKK+21, RAM+22]. **Toshiba** [OKA14]. **trace** [MAD+14]. **traceability** [AÖAG16, CDO+13, CC13, CAKA21, DHH+16, HZ14, KMH+15, QBO+13, RBFM15, TWL+21, TRC+17]. **traces** [NHLTL17]. **tracing** [San14]. **traditional** [ECRJVA+18, PSMM19, dGNA+16, BW22]. **traffic** [HMB+18]. **train** [MVP12]. **trajectory** [JPW+17]. **transaction** [QB21]. **transfer** [BDB+18]. **transferring** [ŠW12]. **transformable** [ZKJ12]. **Transformation** [SNP22, BO21, ECRJVA+18, OB20, RRL22, ST23, SKWD15, Sha15, SGD+13]. **transformation-Action** [ST23]. **transformations** [FTW16, JKIU22, NBCM17, PB17, WSB14]. **Transition** [HOD+14, ARD+12]. **transitioning** [Dow14]. **traps** [BO18]. **tree** [YZT22, WG18]. **trees** [Kos14]. **Trenches** [MTG22]. **trends** [RHL15]. **Trustworthiness** [ZWK18]. **trustworthy** [BHZK12, Cao12, FDM+18, MA12, ZKJ12]. **TuneR** [Bor16]. **tuning** [Bor16]. **tutorials** [ND20]. **two** [BABW12, RTCL16]. **types** [PJ16].

UML [MMPN20, MAMN19]. **Uncovering** [CGN17, MB17]. **understandability** [DCVM20]. **Understanding** [DRM21, ECRJFZ16, JPW+17, LLSA22, PCMCAC14, McQ12, NXC13]. **unified** [CS19]. **unifying** [SGAP14]. **unit** [GRK17, OCCSBDBP20, UIK20]. **unit-level** [UIK20]. **university** [De 15]. **unofficial** [SG20]. **unsupervised** [SLL+21]. **unusual** [GFKH18]. **update** [BJBM21, CKG15]. **Updating** [GLL+20, SAM13]. **upgradation** [Ano21q]. **usage** [Ano21v, CdSdAM16, EAD17, GRK17, NPLP12, SWT+16, ZKN+21]. **Use** [TG20, AN17, BGM18, DS17, KFT16, MKA20, MMC14, MKMW18, MBMR19, RCL19, ZWW+20]. **used** [DT18]. **User** [SH23, VBMH22, DGVP21, GLL+20, GD21, KLWA20, Lin15, LMOLG23, XBS+21]. **User-centered** [SH23, GD21]. **user-reported** [DGVP21]. **users** [IZJG18]. **Uses** [RRDPD+13]. **Using** [CPMS+14, HCL+17, MKPB23, MBMR19, RK18b, SAC21, AKM+21, AMB22, AI21, Ano21p, APL+14, BM13, BCC+15, BKS+17, BEB21, BAAO+20, BCD14, CZY+22, CKP15, CNPR13, Dow14, El 18, GEK14, GK13, GDAG13, JWP+16, KLC+14, KS20, Kos14, KRG+13, KFYI13, KO13, eLAA+23, LAF+18, MGUA14, MRJ20, MK22, MSK18, MMPN20, MCL+18, MPM+20, NBD17, PVA+21, PGAP17, QHY+22, QT22, RAM+22, SJG+14, SNP22, SKK+18, Sha15, SAEH16, SGD+13, SKR15, UY13, Yag18]. **utilization** [YFL+22]. **UWA** [BCD13].

V [KFT16, LC23]. **V-model** [LC23]. **V-Modell** [KFT16]. **valid** [ND20]. **Validating** [VMCN20]. **validation** [AG21, BGM20, GSB+20, eLAA+23, MMK16, OCCSBDBP20, RLMC19, VMSH13, BAAO+20]. **VALO** [RGS+15]. **value** [Ano21r, KGW13, KPG14, SG17]. **values** [LFT19]. **variability** [KFT16, LdONB22, NH14, NBD17]. **variables** [AAYK20]. **variants** [BDS+22, VHBK22]. **variation** [EIA19]. **various** [BMCP14b]. **VBA** [ADFT16]. **VBA-based** [ADFT16]. **vector** [IAA18b]. **vehicles** [HMB+18]. **velocity** [ASG18, PCMCAC14]. **vendor** [AMA+20, KHZ21]. **vendors** [IK17, RK18a, RK18b, SK18]. **verbal** [FPA17]. **verification** [BEB21, BGV18, FZW+18, LWY+16, NL18]. **verified** [GDJV18]. **verifying** [CZY+22]. **versa** [ARD+12]. **Version** [MLCW22]. **Version-based** [MLCW22]. **versions** [ND20]. **versus** [BW22, MDSSMS15, dGNA+16]. **very** [ACM+14, MPM+20, PRNR14]. **via** [AM16, CDO+13, MLM16, NBCM17, QB21, Stu12, WWQ+21]. **vice** [ARD+12]. **victimized** [IZJG18]. **view** [ALK+20, CDF13, THP13]. **viewpoint** [CPSGAA20, MCL+18]. **viewpoint-based** [MCL+18]. **views** [AAA13]. **violations** [yCP12]. **visibility** [VvV14]. **VISSOFT** [PF18]. **Visualization** [PF18, LHIE18, MLCW22, MGN18]. **Visualizing** [WG18]. **vocabulary** [BL15]. **vs** [DS17]. **VSE** [LSFG20]. **vulnerable** [SAC21].

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