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\$105 [Rog10]. **\$39.99** [Saf10].
***** [NS10b].
0-470-24211-6 [Tri10a]. **0-672-32877-1** [Saf10].
10th [RGBR14, MRJD17]. **12** [KS10]. **1999** [Ber10a]. **1st** [LNG⁺13, BCDE18a, BCDE18b, FS11, GGR10, GKMM18, GKS17, HMS16, KKPJ10, KMTD17, RFD⁺18b, RFD⁺18a, TLG⁺16].
2 [Sch16a]. **2009** [MMM10]. **2010** [CCM⁺10, HRZN10, LAK10]. **2011** [FS11, OKNB11]. **2011/2012** [XZM13]. **2012** [GR12, HDDS12, LKM⁺13, LIL13]. **2013** [Kat13, LNG⁺13]. **2014** [REN⁺14]. **2015** [EPBR16, Fra16]. **2016** [KOPR16]. **2017** [FM18c, FM18a, FM18d, FM18b, GKS17]. **21st** [WC10]. **2nd** [GR12, Gve13b, TSvD⁺11, GK12, GKL18a, GKL18b, HDDS12, KKPJ12, LSM⁺10, LMS11, OKNB11].
3 [Sch18, M.13]. **300** [BM10c]. **368pp.** [Tri10a]. **3rd** [Gve13c, Teo11, Tri10b, HKPS12].
404 [Sch16b]. **4th** [LRS11, BBU⁺17, DJB17, GPW17, KNOF13, LLM⁺12, LLM⁺13].

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6th [LIL13, LZK⁺18].

7th [BBG⁺13].

8 [BKP16].

978-0-387-21507-5 [BM10b].

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978-0470-29455-0 [BM10a]. **9th** [Gve13a, CD17].

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collections [Lon10a, Lon10b]. **Collier** [Ban12b]. **Collingbourne** [Del12d]. **colony** [BDJ10, SKS10]. **colored** [ACK12]. **Colt** [BKP16]. **combating** [RRSV13]. **Combinatorial** [SA14, SNR17]. **COMETS** [CMGV13]. **commands** [Ban11, Cha13a]. **commercialized** [Swa12a]. **COMMitMDE** [GKMM18]. **common** [Jan12]. **communication** [Saf10, Sch13a]. **Community** [Xie16a]. **COMP** [CKS18]. **Comparative** [HDKB13, KB11a, JDV12, MM13b, RT13]. **Comparison** [BKP16, DD11, VB13]. **compatibility** [CCM12]. **Competition** [CKS18]. **competitive** [Act11, JD13]. **compiled** [TMVB13]. **compiler** [Hat12]. **Complex** [KAZS14, Sau10, SA16]. **Complexity** [GWG⁺17, CSKB11, GS10, KCS11, KB11b, SK10a, SK12a]. **compliant** [Lan11]. **Component** [KS12a, KS13a, NGD14a, NGD14b, BDJ10, CSKB12, GT10, KS11b, KB11b, MBN13, PGP13, RT10, TS11, UDA10, SP13]. **Component-Based** [KS12a, KS13a, NGD14a, NGD14b, GT10, KS11b, KB11b]. **components** [Ber10a, Gve13c, KS10, MNB13, SNS10a, SNS10b]. **composite** [KB11b]. **composition** [Rip10]. **comprehensive** [JG12]. **computation** [Swa12b]. **Computational** [BDM12, Sch13a]. **Computer** [BM10a, BMRB10, Lev13, kP16, Ber12b, SAM13b, Tra10b]. **Computers** [Gve13c]. **Computing** [GL18, MPR12, SM17, Fro13a, Fro13b, Gve13c, KS12b, SNS10a, SNS10b, Teo13e, Tri10b]. **Concept** [Kra18, TJ12, Yaz10]. **conceptual** [DBK⁺13, Tai13]. **Concern** [Noo18]. **Concern-Driven** [Noo18]. **Concerns** [KD11, MKB11]. **Concurrency** [KL18, SK12b]. **Concurrent** [Wei18, ACK12]. **conditional** [Teo12c]. **Conducting** [DJB17, Geo10]. **Conference** [KOPR16, KOH⁺18a, KOH⁺18b, MRJD17, SS16, TDWV17, GJ13]. **Conferences** [SAS16, Kat13, Kri13, MMM10]. **Conferrance** [LMS11]. **Confidence** [XZM13]. **Configuration** [SA16, GD12]. **Configurations** [PSJ18]. **Configuring** [JZGH13]. **Connected** [GKS17, Teo13e]. **considered** [Sch13d]. **considering** [SKT10]. **Consistency** [DRO⁺17, TLG⁺16, CCM12, CS12a, dSAVP10]. **Consistency-Aware** [DRO⁺17]. **Consistent** [DRO⁺17, BM12]. **consolidation** [Fro13b]. **constant** [HK12]. **constrained** [MB12]. **constraints** [Ebe13]. **Construction** [BZC⁺18]. **consumption** [JS18a]. **content** [JS18a]. **contest** [MFF⁺10]. **Context** [Arr18, RFD⁺18b, RFD⁺18a, VA17]. **Context-aware** [RFD⁺18b, RFD⁺18a]. **Continuous** [Yam18, Teo12a]. **Contract** [Kra18]. **Contributors** [Lee18]. **Control** [GKS17, GKL18a, GKL18b, KS12a, KS13a, HDKB13, KS11b, SRS12, SRS13, Whi11]. **Controlled** [Tei18]. **controller** [HB10]. **Controlling** [SA16]. **Cooper** [Hat12]. **Cooperative** [DST⁺10, PDS⁺13]. **Coordinates** [BM10b]. **Core** [Gve13a]. **Cornell** [Gve13a]. **corpus** [TMVB13]. **correct** [Lan11]. **cost** [BDM12]. **COTS** [KS10]. **Counting** [Bul18]. **coupling** [Gup11, SBB12]. **Course** [Kra18, Cat13]. **Courses** [EH19a, EH19b, HPO⁺13]. **Coverage** [MSM18, SNR17, JZY12]. **Cp** [CN11]. **CPSWeek** [GKS17]. **crafting** [Bes13a]. **Craig** [Saf10]. **crawler** [RFS10]. **CRAYSE** [RFS10]. **CreaRE** [HDDS12]. **creating** [Kie13b]. **creative** [Sau13b]. **Creativity** [HDDS12]. **crisper** [KNOF13]. **Critical** [APNT16, DK16, MNB13, kP16, BKMJ12, HMS16, MBN13, RT13, SBK13, TS11]. **Criticality** [MBN13]. **Cross** [Ber12a, KBR17b, Ber11a]. **Cross-Project** [KBR17b]. **Crosscutting** [KD11]. **Crowd** [HJ16, Wan18]. **Crowd-Centric** [HJ16]. **crowdsourced** [JY12]. **Crowley** [Teo13e].

cryptography [Lan11]. **CSP** [YKF⁺12]. **CUDATM** [SM12a]. **Culture** [FM18c, FM18a, Sch11b]. **Current** [Wel18, GAWM11, Tra13]. **curriculum** [MM11a, MM11b, MM13a]. **curse** [Gre12a]. **cursor** [Jai11]. **Customer** [HKPS12]. **customization** [GS12, Teo12d]. **CVS** [BR10]. **Cyber** [BZC⁺18, BWS⁺17, BWSF18a, BWSF18b, Tur19]. **Cyber-Physical** [BZC⁺18, BWS⁺17, BWSF18a, BWSF18b]. **Cybersecurity** [vdLR18a, vdLR18b]. **Cycle** [Sha16, KK13]. **cycles** [And13]. **cyclic** [Ban10b].

D [Fro12a, Hat12, Mit11, Swa12b, Teo12b]. **Daigneau** [Del12b]. **Dani** [Teo13b]. **Daniel** [Del11b]. **Data** [Arr18, Lee18, RRSV13, SA14, VA17, Wei18, ZLNP18, BB11a, BSS13b, BS13, HB10, Jah12, JG12, JZY12, Kie12, KGS11, MKP12, MKK12b, MKK13b, RRK13, SK12c, TG11, VM13, Jah13, Jah13, Ngo11]. **database** [Gre12a]. **dataset** [CMGV13]. **David** [Del12a, Kie13a, Teo12d, Teo13i]. **days** [BR10]. **deadlocks** [Gre12a]. **Debt** [AENK16, FCT⁺17, IOSS18, Eis12a, Eis12b, KNOV12, KNOF13, OKNB11, KNOV12, KNOF13, OKNB11]. **debugging** [SKT10]. **Decision** [Asi18, RK16, BA13, KK11]. **decision-making** [BA13]. **dedicated** [GPC12]. **defect** [NS10a]. **Defects** [KD11, SBB12]. **definition** [KNOF13]. **degradations** [Lev13]. **denial** [RRSV13]. **Dennis** [Del11b]. **dependability** [GD10]. **Dependence** [RT10]. **dependency** [GS12, SKT10, SBB12]. **DEPLOY** [Rom12]. **Deployment** [Rom12]. **derived** [JS18a]. **Description** [HMB18, Pan10]. **descriptions** [CBdRS10]. **Design** [Asi18, Dro16, GWG⁺17, Kra18, NAS10, Ber11a, Ber12d, Ber11d, CN11, Del12b, Gla11, Gve13c, KK12a, Lon10a, Lon10b, O'S11, RFS10, RRN13, Sch12b, Sch13a, SS10a, SS10b, Tra10b, Wer10, YO11, Sau13a]. **Design-by-Contract** [Kra18]. **Designers** [Teo13b]. **Designing** [NOFK18b, NOFK18a, O'S11, SAS11, Del11b, Teo13e]. **designs** [BRD⁺12]. **desktop** [SKJ⁺13, SKJ⁺13]. **Despite** [HNT16]. **detect** [Lan11]. **detection** [JC13, Men13, SK12c]. **Determination** [KS11a]. **determine** [BKMJ12, Loc12]. **Develop** [REN⁺14]. **developer** [Teo13j]. **Developers** [EH19a, EH19b]. **Developing** [CSG13, GK12, UDA10]. **Development** [APNT16, BS17, BM18, BR16, DK16, FCT⁺17, HMS16, HKPS12, JS18b, Jin18, KMTD17, MT13, Mun19, NGD14a, Roy19, Sha16, Wel18, Ber12e, DD11, Del11c, DM13, Fra11, Geo10, GT10, Jan12, KNOV12, KK13, MG12, Mac10, MSK⁺10, MM11a, MM13a, MO11, Mor13, OKNB11, PGP13, Rup10, SM12a, Sch13c, SK12a, SV13, Swa12a, Tek12b, WC10, dCBS13, KMTD17, Ber10a, Sch12a]. **Developmental** [MRJD17]. **developments** [GJ13]. **devices** [Bel11]. **DevOps** [Pay13]. **DG** [SS10b]. **DG-metrics** [SS10b]. **DGML** [SS10b]. **DGML-based** [SS10b]. **Diagram** [Asi18, BMMR12, GC12]. **diagrams** [NK13, SK12b, YA12]. **diary** [Tra12]. **DIAS** [MRJD17]. **different** [VB13]. **differentiation** [BSS12, BSS13c]. **digital** [Kie13b]. **digraph** [UDA10]. **Dimensions** [GTK17]. **Dinesh** [Sau11]. **dining** [BL10]. **direction** [CK11b]. **Directional** [JS18a]. **Discovering** [RVR12]. **dispatch** [HK12]. **Distributed** [KAZS14, MMM10, MMM16, SPKM16, ZS14, Ban11, BM10c, DBK⁺13, MMM11, MMM13, SAM13b, WZ12, ZS13, Fro13a]. **distribution** [SRS12, SRS13]. **diversity** [CA10]. **Do** [Sch19, CA10, Sch16a]. **Doan** [Jah12]. **document** [SK10a]. **documentation** [JY12]. **doesn't** [Win10a]. **Dojo** [HW13]. **Domain** [ANCM12]. **Domain-driven** [ANCM12]. **Dongarra**

[Fro13a]. **Don't** [SNR17]. **Doug** [Ban13]. **Douglas** [Bel11]. **Driven** [Noo18, ANCM12, GPW17, Mac10, SNS10c]. **Drupal** [Teo13b]. **DTrace** [Coo12]. **Dumbill** [M.13]. **Dutson** [Pai13a, Teo13c]. **Dwells** [Ost18b]. **DWEVOLVE** [TG11]. **Dynamic** [MKK12b, MKK13b, SM17, SPKM16, BRD⁺12, Bas10, Coo12, Gup11, Jai12, SGM12, Sch13a]. **dynamics** [DBA13].

e-governance [RB10]. **e-market** [SGM12]. **e-nursing** [NS10b]. **each** [BR16]. **Eadline** [Ban13]. **Early** [Adr19, BR10, SK10a, MVGM10]. **Easy** [SA17, Ber12a]. **easy-to-use** [Ber12a]. **Eclipse** [Teo12b]. **economic** [Swa12a]. **Ecosystem** [KS11c]. **ecosystems** [Yu11]. **ECSA** [RFD⁺18b, RFD⁺18a]. **Edd** [M.13]. **Eddie** [Sau13a]. **editing** [Teo12b]. **Edition** [Sau10, Tri10b, Cha13b, Cha13a, Del12c, Fro12a, Gve13a, Gve13b, Gve13c, Hat12, Ngo11, Teo11, Teo13a, Teo13g, Teo13h, Teo13j, Mit11]. **editors** [Cha13a]. **Education** [AH10b, AH11b, AH11c, AH12b, SSJM12, Ard10, AH10a, AH11a, AH12a, AH12c, AH12e, AH12d, AH13a, AH13b, AH13c, AH13d, SFTS18]. **Effect** [JK11, SS13, vdLR18a, vdLR18b, PM12]. **effective** [MBN13, RVB12, Kie13a]. **Effectiveness** [SK11, SK12d, HPO⁺13, NB10]. **effects** [KS13b]. **Efficiency** [FS11, MKP12, MBC10, RRN13, Sch11b, Tee10b]. **efficient** [HK12, RFS10, Sch13c, Swa12b]. **Effort** [BM18, DD11, MSK⁺10, MKS10, NUK13, SK12a, SV13, TG13]. **Efforts** [SW18]. **Egypt** [ED12]. **Eibe** [Ngo11]. **Eighth** [IOSS18]. **elements** [Epp11]. **Eleven** [SAS16]. **Elizabeth** [Gve13b]. **Embedded** [Jie16, Aus11, Gve13c, Teo13e, Whi11]. **Emerging** [CCM⁺10, SFTS18, BDM12]. **EMF** [BGKS12]. **Emotion** [Sau13a]. **Empirical** [CN11, DC13, DJB17, JM13, KKPJ10, KKPJ12, MG12, PCR12, CMGV13, GB11, JK12, LRS11, PASS13, Tai13]. **employing** [eAMO10, VB13]. **Enabled** [LNG⁺13]. **enabling** [Jai11]. **encapsulation** [SK11]. **encoding** [SM12a]. **End** [Sch16b]. **Energy** [HB10]. **enforcer** [BRS13]. **enforcing** [BRS13]. **engine** [Ngo12, Ngo12]. **engineer** [VCPR12]. **Engineering** [AH10b, AH11b, AH11c, AH12b, Arr18, BCKS12a, BCKS12b, BCKS13, BBU⁺17, BWS⁺17, BWSF18a, BWSF18b, Car18, CD17, Doe10a, Doe10b, Doe10c, Doe10d, Doe10e, Doe11a, Doe11b, Doe11c, Doe11d, Doe12a, Doe12b, Doe12c, Doe12d, Doe12e, Doe12f, Doe13a, Doe13c, Doe13d, Doe13d, Doe13e, Doe13f, Doe14, Doe16a, Doe16b, Doe16c, Doe16d, Doe18, DBK⁺13, EPBR16, Fra16, FS11, GGR10, GPW17, GR12, HdCH⁺12, HDDS12, JRG⁺13, KKPJ10, Kra18, KKPJ12, KBR17a, LLM⁺12, LLM⁺13, LSM⁺10, LNG⁺13, LMS11, MWR19a, MWR19b, Mei17, MRJD17, RJJ13, REN⁺14, Sau10, Sch16a, Sch18, SAS16, SS16, SSJM12, SFTS18, Tei18, Tek12a, TDWV17, UYG⁺19, Ard10, AH10a, AH11a, AH12a, AH12c, AH12e, AH12d, AH13a, AH13b, AH13c, AH13d, Ber10b, B10a, B10b]. **engineering** [B10c, B10d, Ber11b, Ber11a, B11, Ber11c, Ber12c, Ber12d, BMRB10, CA10, CV13, Cat13, Dah10, DST⁺10, ED12, GMCH⁺13, GKK11, GT10, GD12, HPO⁺13, JD13, KGS11, LKM⁺13, LRS11, MFF⁺10, MM11b, PDS⁺13, SK10a, Sol12, TCB⁺12, Tra11b, Tra13, YO11, Zag13, TDWV17, TSEvD10, TSvD⁺11, Rus11, Hat12]. **Engineers** [Ost16b, Tra10a]. **enhancing** [NS10a]. **Ensemble** [BM18]. **ensuring** [St.12]. **enterprise** [Bes13b, Ebe13, Men12]. **entire** [Cat13]. **enumeration** [YA12]. **Environment** [BWSF18a, BWSF18b, Roy19, ACS13, ZS13, Teo13a]. **Environments** [MMM10, MMM16, Wel18, Fra11, MMM11, MMM13]. **Envisioning**

[Roy19]. **Eoin** [Del12c]. **Equivalence** [NP16]. **era** [Kie12]. **Eric** [M.13]. **Erik** [Kie13b]. **Erl** [Ebel13]. **Error** [Sch16b, SK11, SK12d, SD11]. **Errors** [GL18]. **ESEC** [Kat13]. **ESEC/FSE** [Kat13]. **ESEM** [LRS11]. **essays** [Tra10b, Tra11b]. **Essence** [CC13, PMM16]. **Essential** [Ngo12]. **essentials** [Del11a]. **estimate** [SNS10a, SNS10b]. **Estimation** [BM18, DR11b, GB11, ZS14, BDM12, DD11, NUK13, NAS10, SK10a, SK12a, SV13]. **ETDSOA** [SNS10c]. **Eternal** [Ber11b, Ber11a]. **Ethical** [Ost16b]. **ETL** [MKK12b, MKK13b]. **Evaluating** [NB10, Gre12b]. **Evaluation** [HSS⁺16, kP16, eAMO10, Kri13, PCR12]. **Event** [Rus11, SNS10c]. **Event-B** [Rus11]. **Ever** [Sha16]. **Ever-growing** [Sha16]. **Everything** [Win11a]. **evidence** [CV13, Cat13, JM13]. **evidence-based** [CV13, Cat13]. **Evolution** [KK19, LIL13, RB10, SA16, VCP12, AJP13, CSKB13, CMGV13, JG12, JK11, SS13, TG11, WJ12]. **examples** [Del13, Teo13c]. **exchange** [Sau11]. **exclusion** [Ban12a]. **Excursion** [Sha16]. **Execution** [Bul18, NNTK17, SM17, SWMV17, ACS13, MMP⁺12, ZS13]. **Executions** [WCG⁺18]. **Exercise** [Asi18]. **Experience** [SFTS18, CS12b, ED12, Kat13, Kim13, RR11, Sam13a, Gve13b, St.12]. **experiences** [RR11]. **Experiment** [BKP16, HAJW13]. **Experimentation** [Yam18]. **Experiments** [Tei18]. **Exploratory** [BKP16, BBF13]. **Explore** [Sin19]. **Exploring** [LKM⁺13]. **extended** [LGMM10, NK13, YKF⁺12]. **extending** [Bas10, Teo11]. **extension** [PdMG12]. **extensions** [MPR12]. **Extraction** [SP13].

F# [Tri10a]. **Facing** [JY12]. **factories** [RR11]. **Failure** [Adr19, DC13]. **Fairley** [BM10a]. **FAQs** [Not10]. **Fault** [BB11b, CK11b, HWA12, JM13, MJ11, SKT10]. **fault-proneness** [JM13]. **Faults** [RK16, CN11, GB13b]. **faulty** [Tra11a]. **Feasibility** [KBRS17b]. **Feature** [SM17, Ber11a, Jai12]. **feature-access** [Jai12]. **feature/architecture** [Ber11a]. **features** [JS18a, MKK⁺12a, MKK⁺13a]. **Fedora** [Men12]. **feed** [DD11, SK10b]. **feed-forward** [DD11, SK10b]. **feedback** [HAJW13]. **Figures** [Not10]. **File** [Dro16, SM17]. **files** [Tra11b]. **finger** [Jai13]. **finger-tip** [Jai13]. **Finite** [YAS11, MB12, RMFO13]. **firmware** [Mor13]. **first** [Ber10a, LKM⁺13, MFF⁺10, HdCH⁺12, RJJ13, Tek12a, TSEvD10]. **first-order** [Ber10a]. **Fisher** [Gou12]. **Five** [SW18]. **Flannery** [Tri10b]. **flexibility** [Whi11]. **FLOSS** [Lee18, RGBR14]. **Flow** [SA14, MKP12, PMTP12]. **flow-based** [MKP12]. **fluctuation** [SKT10]. **Flynt** [Teo13j]. **FMEA** [Geo10]. **focused** [GJ13]. **focusing** [SGS12b]. **Food** [Win12a]. **Ford** [Bes13a]. **Formal** [GP12, GR12, YKF⁺12, BS12, JM13, Rom12, SGS12b]. **Formalization** [Wel18]. **Formalizing** [ACK12, CCM12, BGKS12]. **format** [YAS11]. **formation** [Bas10]. **FormSERA** [GR12]. **formulization** [SS10b]. **forward** [DD11, SK10b]. **foster** [SM12a]. **foundation** [BS12, Saf10]. **fourth** [Fro12a, Teo13h, WL13]. **Fox** [Fro13a]. **Foy** [Fro12a]. **FP7** [Rom12]. **Framework** [BS17, GKK11, HJ16, JS18b, SA16, AJP13, Lon10a, Lon10b, MT13, Teo12b, TG11]. **Frank** [Aus11, Ngo11]. **Frederick** [Tra10b]. **Free** [KS11c, MG12]. **FreeBSD** [Coo12]. **Frequent** [RC17]. **FSE** [Kat13]. **Fulghm** [Mor13]. **Function** [Jon13, SBS11]. **functional** [GB10, NAS10]. **functionality** [ANCM12]. **functions** [SKT10]. **fundamental** [Del12b]. **Fundamentals** [Ban13, Teo13d, Gve13a, Sch12a]. **Future** [NOFK18b, NOFK18a, CK11b]. **FutureSmart** [Mor13]. **Fuzzy** [BK16, BK11, BA13, BSS13a, JDV12, KKK11, NKS10, SV13].

G [Cha13a, Dek10, Men12]. **game** [RMFO13]. **Games** [BCKS12a, BCKS12b, BCKS13, Teo12c]. **gap** [BB11a]. **Gary** [Gve13a, Mor13]. **GAS** [BCKS12a, BCKS12b, BCKS13]. **GEF** [Teo12b]. **General** [EPBR16, JRG⁺13, RJJ13, REN⁺14]. **generalized** [Ban11]. **generate** [CS12a, GC12]. **generated** [JS18a, NMVS11]. **generating** [SSK13]. **generation** [AHS12, BSS13b, BS13, BDJ10, CJ10, Gre12b, JZY12, Mac10, MKP12, Pha18, RMFO13, Rim12, SK13, SD11, SS10a, VM13]. **Generic** [KK19, SA16, GB11, KK12b, SD11]. **genetic** [BS13, GC12, MKP12, MM10a, MNB13, MT13, RRN13, SAM13b]. **Geoffry** [Fro13a]. **Geometric** [Rog10]. **Geometry** [BM10b]. **gesture** [Del11b]. **get** [Tra10c]. **getting** [Kim13]. **Giri** [Rog10]. **Glitch** [Tra11a]. **Global** [JS18b, MG12, TCB⁺12]. **good** [Gre12a, dCBS13]. **Goodman** [Gve13b]. **Google** [Ngo12, Tan12]. **Gorp** [Sau13a]. **governance** [RB10]. **Government** [VA17]. **Gracious** [Ost18a]. **graduate** [MM11b]. **gram** [KPA10]. **grammar** [AHS12]. **Graner** [Cha13b]. **Graph** [SPKM16, Sin19, BGKS12, DBK⁺13, GDF13, MKB11]. **Graph-Based** [SPKM16, DBK⁺13]. **graphical** [CSKB11, LLS12, Teo12b]. **graphs** [Tee11, YA12]. **great** [Tra10c]. **green** [LKM⁺13]. **GREENS** [LKM⁺13]. **Gregg** [Coo12]. **Grounded** [Kie13b]. **growing** [Sha16]. **growth** [SKT10, Yu11]. **Gruber** [M.13]. **Gruver** [Mor13]. **GTSE** [JRG⁺13, RJJ13, EPBR16, REN⁺14]. **GUI** [ÖZ16a, ÖZ16b]. **guidance** [BMRB10]. **guide** [Cha13a, Dek10, Gve13b, Men12, O'S11, Pai13b, Sto13, Teo13d, Teo13j, Teo12d]. **guided** [Tra12]. **guidelines** [St.12].

H [Del11c, Ngo11, Tri10b]. **Hadoop** [Ban13]. **Halevy** [Jah12]. **Han** [Whi11]. **Han-Michale** [Whi11]. **handbook** [Mit11]. **Hands** [Bat11, Saf10, Teo13d]. **Hands-on** [Bat11, Saf10, Teo13d]. **Hanisch** [Whi11]. **Hardback** [Rog10, BM10a, BM10c, Tri10a, Tri10b]. **hardcover** [Sau10]. **hardware** [Yu11]. **harmful** [Sch13d]. **harness** [Kie13a]. **Harnessing** [Wan18]. **Harrop** [Tri10a]. **Hartson** [St.12]. **having** [Sch12c]. **held** [OKNB11]. **Hell** [Ngo11]. **Helmke** [Cha13b, Teo13g]. **Herlihy** [Vu11]. **Herman** [Kie13a]. **Heterogeneous** [SA17, JS12]. **Heuristics** [SKE⁺18]. **hidden** [Tra11a]. **Hierarchical** [BK16, YKF⁺12]. **High** [XZM13, BSS13a, Bas10, CN11, GB13b, Ngo12, ZS13]. **high-level** [BSS13a, Bas10]. **high-performance** [Ngo12]. **Higher** [SNR17]. **Hiroko** [Bel11]. **History** [GL18, PC14, Sch11b]. **hoc** [KSR12]. **Holmquist** [Kie13b]. **Holtsnider** [Mit11]. **Horstmann** [Gve13a]. **hours** [Pai13a]. **House** [Ost18b]. **HP** [Mor13]. **Hsuing** [Sch13a]. **Http** [Sch16b]. **HTTPS** [BRS13]. **Hudson** [Teo13g, Teo13g]. **Hugues** [Aus11]. **human** [DST⁺10, PDS⁺13]. **Humans** [Ber10a]. **Humphrey** [Act11]. **Hunter** [Jah13, Tra12]. **Huw** [Del12d]. **Hwang** [Fro13a]. **Hybrid** [KMTD17, GKK11, MM10a, MNB13, PdMG12].

Ian [Ngo11]. **IBM** [Teo12d]. **ICPE** [LMS11]. **ICSE** [CCM⁺10, Fra16, GGR10, HRZN10, LNG⁺13, Elb16, Elb17, Elb19, KOPR16, LAK10, LKM⁺13, OKNB11]. **ICSE'2012** [GR12]. **ICSSP** [KOPR16, KOH⁺18a, KOH⁺18b]. **ICT** [Rom12]. **idea** [NS10b]. **Identification** [CBdRS10, ANCM12, MBN13]. **identify** [SK11, SK12d]. **Identifying** [SA14, Tee11, MKK12b, MKK13b]. **Idle** [And13]. **IEEE** [BM10a, BCDE18a, BCDE18b, Fra16, LIL13]. **If** [Sch16a]. **illustrative** [RVB12].

imbalance [WZ12]. **Impact** [BR16, Mun19, GB13b, MPR12, MD12, Tra11a]. **Impactful** [Xie16b]. **imperialist** [JD13]. **implant** [RRK13]. **implementation** [BB11a, RFS10, Wer10]. **implications** [Swa12a]. **important** [Kat13]. **improve** [SS10a]. **Improved** [KJ10, ÖZ16a, ÖZ16b, KS10]. **Improvement** [RC17, GJ13, MM10a]. **Improving** [SM12a, Tei18, HWA12, YO11]. **incorrect** [Ban12a]. **increase** [MKP12, MBC10]. **independent** [VS11a]. **Index** [KS11a, UDA10]. **India** [MRJD17, SS16]. **Industrial** [Fra16, Jie16]. **Industries** [Jie16]. **Industry** [DJB17, MM11b, MM10b, Rom12]. **inequality** [JY12]. **inevitable** [Eis12a]. **inference** [GS12]. **informal** [CJ10]. **Information** [MMM10, MMM11, MMM13, MMM16, WC10, Cho10, KK11, KS13b, PMTP12, Sau11, Yu11]. **infrastructure** [Fro13b]. **initial** [LKM⁺13]. **Injection** [KK14]. **innovation** [Kie13b]. **Innovations** [MRJD17, Sch13a]. **innovative** [RVR12]. **Input** [NP16, Pha18]. **Ins** [GK12]. **Inselberg** [BM10b]. **Insights** [SAS16, Jah13, Sch13b]. **inspecting** [CBdRS10]. **inspection** [DBA13, NS10a]. **inspired** [Loc12, RT13]. **Install** [Dek10]. **intangible** [CPG⁺12]. **Integrated** [Roy19, Wel18, CSKB13, Rom12]. **integrating** [SKJ⁺13, Teo11]. **Integration** [MSM18, BB11a, Jah12]. **Integrity** [KK12a]. **Intelligence** [HdCH⁺12, Sch19, BDM12]. **Intelligent** [MRJD17, Roy19]. **intensive** [HBM13]. **Inter** [Sin19, GS12, MO11]. **inter-agent** [GS12]. **Inter-Related** [Sin19]. **inter-relationship** [MO11]. **interaction** [Sau11]. **Interactions** [SA14]. **Interactive** [MW12]. **intercomparison** [MBC10]. **interface** [O'S11]. **interfaces** [Del11b]. **International** [BCKS12a, BCKS12b, BCKS13, BBG⁺13, BBU⁺17, CBK10, DJB17, FS11, GK12, GKMM18, GKS17, GKL18a, GKL18b, GFBE10, GPW17, HRZN10, HdCH⁺12, HDDS12, HKPS12, KKPJ10, KKPJ12, KNOV12, KNOF13, KMTD17, LLM⁺12, LLM⁺13, LZK⁺18, LSM⁺10, LIL13, LNG⁺13, LMS11, OKNB11, RFD⁺18b, RFD⁺18a, RGBR14, TLG⁺16, TSvD⁺11, UYG⁺19, LRS11, KOPR16, KOH⁺18a, KOH⁺18b, TDWV17, XZM13]. **Internet** [Fro13a]. **Internetwork** [WL13]. **Interoperability** [MB12]. **interpretation** [JWB⁺18]. **Inter-science** [Tri10a]. **Introducing** [Kay11]. **Introduction** [GP12, Sau13b]. **intrusion** [SK12c]. **intuitive** [BKMJ12]. **Investigating** [GB13b]. **investigation** [Tai13]. **Involvement** [Yam18]. **Ioan** [Tra10a]. **IP** [Wer10]. **irregular** [SKT10]. **ISBN** [BM10a, BM10c, BM10b, Rog10, Saf10, Sau10, Tri10a, Tri10b]. **ISDE** [MMM10, MMM11, MMM13]. **ISEC** [MRJD17]. **ISHCS** [XZM13]. **isomorphic** [Tee11]. **Issue** [CB12]. **Issues** [CS12b, Ost16b]. **item** [Teo12d]. **Ives** [Jah12]. **IWSPM'09** [GFBE10].

J [Fro13a, M.13, Teo11, Teo12b]. **Jack** [Fro13a]. **Jackson** [Ber11d]. **Jaffe** [Mit11]. **Jaipur** [MRJD17]. **James** [Act11, Ber13, Sam13a, Swa12b, Tan12, Tra10a]. **Jason** [Tan12]. **Java** [Gve13a, Ngo12, BKP16, CS12a, CKS18, KB11a, Lon10a, Lon10b, MPR12, MKK⁺12a, MKK⁺13a, NNTK17, PdMG12, SM12b, SWMV17, vdMvdMV12, Del13]. **JavaScript** [Kie13a, Teo13d, Kie13a, Teo12a, Teo13d]. **Jazz** [Teo12d]. **Jean** [Rus11]. **Jean-Raymond** [Rus11]. **Jeff** [O'S11, Sam13a, Tan12, Tra11a]. **Jerome** [Aus11]. **Jih** [Sch13a]. **Jih-Sheng** [Sch13a]. **Jim** [Coo12]. **job** [Sch12c, Tra10c]. **John** [Aus11, BM10a, Hag11, Sau10]. **Johnson** [Epp11, O'S11]. **Jon** [Fro12a, Tri10a]. **Jonge** [Teo13c, Ngo12]. **JPF** [WKG17, WCG⁺18]. **JPR** [WKG17]. **jQuery**

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June [GR12]. **JustInMind** [FV11]. **JVM**
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Keith [Hat12]. **Ken** [Ban12b]. **Keng**
 [Bel11]. **Key** [BR16, MM10b]. **keywords**
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 [Gve13b]. **Kyle** [Pay13].

L [BM10c, Gla12, Gou12]. **Lack** [HNT16].
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 [Del11c]. **Landscape** [Wel18]. **Langade**
 [Bes13b]. **Language**
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large-scale [DM13, Mor13]. **Larry** [Fro12a].
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literature [MJ11]. **Load**
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long [Cat13]. **Loop** [Tur19]. **Lord** [Tra11b].
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Luisa [Bat11].

M [Del11a, Wer10]. **Mac** [Coo12]. **machine**
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make [Jah13]. **Making**
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Mallows [CN11]. **Malware** [JC13].
manage [RRK13, Win10a]. **Management**
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 [Sch13b]. **manual** [Teo13i]. **map** [BK11].
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market [SGM12]. **MARTE** [GPC12].
Martin [Gla11, Gou12]. **Master**
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matching [KPA10, PA10]. **mathematical**
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McCormick [Aus11]. **McCullough** [Bes13a]. **McMurtry** [Saf10]. **MDE** [GKMM18]. **Mean** [Sch19]. **means** [NUK13]. **measure** [CSKB11, CPPC12, KB11b]. **Measurement** [NGD14a, LRS11, VB13]. **Measuring** [KCS11, KKK11, PC14, SKT10, Tee10a, Sin13]. **mechanism** [KS11b, WJ12, YO11]. **media** [Teo13e]. **media-rich** [Teo13e]. **mediocracy** [Sch13e]. **medium** [CN11]. **Medoids** [BB11b]. **Memory** [JWB⁺18]. **menu** [Jai11, Jai12]. **Merani** [Bat11]. **Mercuri** [Saf10]. **MESOCA** [LIL13]. **messages** [Ban10b]. **Meta** [SKE⁺18]. **Meta-Heuristics** [SKE⁺18]. **metaphor** [KNOV12]. **Method** [GD12, Tee10b, TJ12, eAMO10, HK12, JS18a, NAS10, Rip12, dSAVP10]. **methodologies** [MM11a]. **methodology** [RRN13]. **Methods** [GP12, GR12, HMS16, MKS10, Rom12, Tee10a, Tee11]. **Metric** [Kay11, MSM18, Jon13, NS10a, PGP13]. **Metrics** [BR16, DR11b, HNT16, KB11a, SP13, Sin13, CN11, CMGV13, DR10, DR11a, GB13a, Gup11, JM13, JK11, JK12, Loc12, MW12, MO11, NAS10, NMVS11, PASS13, PM12, SGS12b, SK11, SK12d, SS13, SSK13, Yaz10, CCM⁺10, SS10b]. **Michael** [Ber11d, Ber13, Gou12, Rog10, Swa12b]. **Michal** [Pai13b]. **Michale** [Whi11]. **Micky** [Sch13b]. **micro** [HB10]. **Microsoft** [Teo13f, Saf10]. **Microtasking** [Adr19]. **Mike** [Gve13b, Mor13]. **military** [Sau11]. **Mills** [Hag11]. **mind** [O'S11]. **Mining** [Mun19, PC14, SAS16, Sin19, MKB11, Ngo11, RVB12]. **MiSE** [CD17]. **missing** [Teo13i]. **Mitch** [Teo13f]. **Mitigating** [BGS⁺13]. **Mitigation** [KK14]. **MITM** [BRS13]. **mixed** [eAMO10]. **Mobile** [Hal13, LNG⁺13, Teo13c, BD11, Bel11, MKK12b, MKK13b, Pai13a]. **Mobile-Enabled** [LNG⁺13]. **MOBS** [LNG⁺13]. **Model** [BZC⁺18, Bul18, FSK12, GPW17, KAZS14, LLS12, LAX17, Mac10, MP17, MJCdLF17, PM10, Tur19, ACS13, AHS12, BSS13a, CS12a, CSKB12, CK11a, DD11, DBA13, DRD12, GS12, GKK11, GS10, GB10, Jan12, JDV12, KS10, KS11b, KK12a, KJ10, KKK11, MSK⁺10, MBC10, MKK12b, MKK13b, SNS10c, SAS11, SK13, SK12d, SK12c, Tai13, Tee10b, Jie16, Del11c]. **Model-Based** [LAX17, BZC⁺18, PM10, Del11c]. **Model-driven** [GPW17]. **Model-in-the-Loop** [Tur19]. **Modeling** [Ban10a, GWG⁺17, KK14, KK11, SM12b, ZS13, Ban11, BGKS12, CSG13, Rip12, SAM13b, SVT13, Rus11]. **Modelling** [BM10c, CD17, GKMM18]. **Models** [BBG⁺13, BWSF18a, BWSF18b, Jin18, Sha16, BMMR12, JZGH13, KSR12, KK13, Rup10]. **modern** [Pai13b, Teo13d, Teo13e]. **Modified** [GT10, KS12a, KS13a, MKK12b, MKK13b]. **modularity** [Del13]. **Moed** [Gve13b]. **Mohamed** [Whi11]. **monitoring** [WJ12]. **Monte** [MP17]. **Monte-Carlo** [MP17]. **MOOCs** [AH12e]. **Moose** [Nie12]. **Moral** [Ost16b]. **MORSE** [GPW17]. **Moscow** [Mir11]. **mountain** [Sto13, Teo13i]. **movement** [Jai11]. **MTD** [AENK16, FCT⁺17, IOSS18]. **Multi** [BA13, JS18a, MWR19a, MWR19b, BMMR12, BGS⁺13, GSB11, HK12, KPA10]. **Multi-Agent** [MWR19a, MWR19b, GSB11]. **multi-diagram** [BMMR12]. **Multi-Directional** [JS18a]. **multi-method** [HK12]. **multi-patterns** [KPA10]. **Multi-person** [BA13]. **multi-threats** [BGS⁺13]. **multicore** [Sch12a]. **Multidimensional** [BM10b]. **multilayer** [DRD12]. **multiple** [JS12]. **multiprocessor** [Vu11]. **mutant** [Tee10a]. **mutual** [Ban12a]. **Nam** [Fro13b]. **Narasimhan** [Rog10]. **Nathaniel** [Bes13a]. **Natural** [Sin19, Del11b, Mac10]. **navigation** [JS18a]. **Neal** [Bes13a]. **necessary** [MBC10]. **need**

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Object [DR11b, KS11a, KBR17b, KB11a, MSM18, RC17, CN11, DR10, DR11a, DRD12, GB11, GS10, GB13a, GB13b, Gup11, HK12, JG13, JK12, KK12a, KCS11, KK12b, MJ11, PM12, SGS12b, SK11, Sin13, Teo13h, YA12]. **Object-Oriented** [DR11b, KBR17b, KB11a, MSM18, RC17, CN11, DR10, DR11a, DRD12, GB11, GB13a, GB13b, Gup11, SGS12b, SK11, Sin13, Teo13h]. **objective** [HPO⁺13]. **Objectives** [HSS⁺16]. **Observing** [Gve13b]. **OCL** [JM13]. **Oct** [Ber10a]. **off** [Hag11]. **off-the-shelf** [Hag11]. **Office** [Teo13f]. **official** [Cha13b]. **OLAP** [NK13]. **Old** [Sha16]. **One** [Lee18]. **One-Time** [Lee18]. **only** [Sch16a]. **OO** [CSKB13]. **OODPM** [Dro16]. **OOPs** [KK19]. **Open** [Jin18, KS11c, RGR14, VA17, CV13, JK11, JK12, MG12, SK12d, Tai13]. **open-source** [Tai13]. **OpenSym** [RGR14]. **operating** [SGS12a]. **operations** [BGKS12, Sau11]. **Opportunities** [DK16]. **Optimal** [PGP13]. **optimally** [BGS⁺13]. **optimization** [Jai13, MM10a, RT13, SAM13b, SKS10]. **optimize** [GC12]. **optimized** [JS18a]. **Optimizing** [Jai12, Lee10, RRN13]. **Oracle** [Coo12, SBS11]. **oracles** [SD11]. **Order** [SNR17, Ber10a]. **ordering** [Ban10b]. **org** [Tra10c]. **Organizational** [GTK17]. **organizations** [Sch10]. **Organizing** [LAK10]. **Orientation** [HRZN10]. **Oriented** [BS17, DR11b, HKPS12, KS11a, KBR17b, KB11a, LLM⁺12, LLM⁺13, LSM⁺10, LIL13, MSM18, RC17, SM17, SPKM16, CC13, CN11, DR10, DR11a, DRD12, Fro13b, GB11, GS10, GB13a, GB13b, Gup11, HK12, JG13, JK12, KK12a, KCS11, KB12, KGS11, KK12b, MJ11, NB10, NKS10, PM12, SKJ⁺13, SNS10c, SGS12b, SK11, Sin13, SBK13, Tek12b, Teo13h]. **Orwant** [Fro12a]. **OSGi** [GD10, Del13]. **OSS** [Mun19]. **other** [BR16, MO11]. **OTM** [MMM10]. **Our** [Xie16a, Kim13]. **outlawed** [Sch16a]. **outlaws** [Sch16a]. **Outward** [Xie16a]. **Ovans** [Tra11b]. **ownership** [CB12].

P [Tri10b]. **Pacific** [WL13]. **Pamela** [Ber11d]. **Panel** [FM18d, FM18b]. **Panels** [FM18c, FM18a]. **Pankratius** [Sch12a]. **Pao** [Sch13a]. **Pao-Ann** [Sch13a]. **Paper** [LMS11, SAS16]. **paperback** [Saf10].

papers [Sch12d]. **Papows** [Tra11a]. **paradigm** [BD11, BDM12, NS10a]. **Parallel** [MP17, ÖZ16a, ÖZ16b, Aus11, Ber13, Fro13a, SM12a, Swa12b, BKP16, BM10b]. **Parameterized** [PA10, KPA10]. **Pardha** [St.12]. **parser** [SD11]. **Part** [Sch19, Sch16a, Sch18]. **partial** [BM12]. **Participation** [KS11c]. **partition** [WZ12]. **Partitioning** [NP16]. **Passages** [Gro13a, Gro13b, Gro14, Gro16a, Gro16b, Gro16c, Gro16d, Gro17a, Gro17b, Gro17c, Gro18a, Gro18b, Gro18c, Gro18d, Gro19a, Gro19b]. **Pat** [Mor13]. **Path** [NGD14a, JZY12, Del12a]. **Path-Based** [NGD14a]. **pathfinder** [KPP12, CS12a, MPR12, NNTK17, PdMG12, SM12b, ZCW12, vdMvdMV12]. **patient** [RRK13]. **Patrick** [Teo13e]. **Pattern** [KB12]. **Patterns** [LZK⁺18, MRN13, RC17, Bes13a, Del12b, Del13, Ebe13, KPA10, MGLF12, RR11, RVR12, Swa12b]. **Paul** [Teo13g]. **Pautasso** [Ebe13]. **peaks** [GMCH⁺13]. **People** [MM10b, Ber10a, Sch13b]. **perceptron** [DRD12]. **Performance** [GBSL16, LMS11, ZS14, GKK11, Ngo12, WC10]. **perl** [Fro12a]. **permissions** [SGS12a]. **persistence** [KJ10]. **person** [BA13]. **Personal** [Kie12]. **Personality** [GBSL16, CA10, VCPR12]. **perspective** [VM13]. **Perspectives** [AENK16, Sch11b]. **pervasive** [Teo13e]. **PESOS** [LLM⁺12, LLM⁺13, LSM⁺10]. **Peter** [Teo13e]. **Petri** [ACK12]. **PhD** [HAJW13, SW18]. **Phil** [Pai13a, Teo13c]. **philosophers** [BL10]. **Physical** [BZC⁺18, BWS⁺17, BWSF18a, BWSF18b, Tur19]. **Pithy** [Ber10b, BÁ10a, BÁ10b, BÁ10c, BÁ10d, BÁ11, Ber11c, Ber12c]. **planning** [Mir11]. **plate** [Men13]. **Platform** [VA17, BRD⁺12, GD10, MD12]. **pliability** [PGP13]. **Plug** [GK12]. **Plug-Ins** [GK12]. **pocket** [Sto13]. **Poetry** [Win10c]. **Pogue** [Teo13i]. **points** [Jon13]. **Post** [DJB17, TLG⁺16]. **Post-workshop** [DJB17]. **power** [Kie13a]. **Powered** [PMM16]. **pp** [BM10a, BM10c, BM10b, Rog10, Saf10]. **pp.** [Sau10, Tri10b]. **PPCA** [Men13]. **PPCA-based** [Men13]. **practical** [Cha13a, Dah10, Men12, Mor13, Ngo11, RVR12, Sam13a]. **Practice** [Car18, Fra16, Xie16b, Bat11, CBK10, ED12, GAWM11, Tra13]. **Practice-Impactful** [Xie16b]. **practices** [Kie12, dCBS13]. **practitioner** [Gve13b]. **Pragmatic** [HBM13]. **PRAT** [Kay11]. **Precise** [KK12b]. **predict** [JDV12]. **predicting** [CN11]. **Prediction** [BB11b, KBRS17b, RK16, DRD12, GS12, GKK11, HPO⁺13, JRX12, MKS10, MJ11, MVGM10, RPB12, SK10b, SVT13]. **predictor** [JM13]. **Prepared** [Ost16a]. **Preprocessing** [RVB12]. **Presentation** [Bes13a]. **presentations** [Bes13a]. **Press** [BM10c, Rog10, Tri10b]. **prevent** [YAS11]. **preventing** [BRS13]. **Prevention** [BSS12, BSS13c, VS11a, VS11b]. **preventive** [CPPC12]. **Preview** [Ost16b]. **Principles** [EPBR16, Jah12, LLM⁺12, LLM⁺13, LSM⁺10, Ber12d, Ebe13, Gou12, Gve13c, HW13]. **prioritisation** [GDF13]. **Prioritization** [CPG⁺12, HKPS12, SNR17, BA13, MT13, PM10, SKS10, SS11, VB13]. **Prioritizing** [Akb18]. **privacy** [Kie12, Teo13f]. **Private** [Fro13b]. **proactive** [BGS⁺13]. **Probability** [LAX17]. **Problem** [HRZN10, BL10, Ban11, Gre12a, Sau13b]. **problems** [BP10, WZ12]. **Proceedings** [HMS16]. **Process** [Rip10, DBA13, GKK11, Geo10, GT10, GJ13, JZGH13, Lee10, MKK12b, MKK13b, NS10a, St.12, Teo13h, YO11, Hag11]. **Processes** [KOPR16, KOH⁺18a, KOH⁺18b, MKK12b, MKK13b, Sch13c]. **Processing** [Sin19, Fro13a, Sch13a]. **Product** [GFBE10, Tek12a, GJ13, dCMMdA12, Rip12]. **product-focused** [GJ13]. **Productivity**

[Mun19, YO11]. **Products** [SA16, dCMMdA12, Kie13b]. **PROFES** [GJ13]. **Professional** [EH19a, EH19b]. **profile** [VCPR12]. **Program** [WCG⁺18, Gre12b, Sol12, Tai13]. **Programmer** [GBSL16, Sau13b]. **Programming** [KK19, Mun19, RRR13, Sch11a, Swa12b, Teo13a, Ber13, Cha13a, Vu11, Fro12a]. **Programs** [DRO⁺17, MJCdLF17, MSM18, PSJ18, SM17, Wei18, JG13, KK12b]. **Progress** [WCG⁺18]. **Project** [JS18b, KBR17b, MM13b, Rom12, WC10]. **Projects** [BR16, KS11c, CB12, Fra11, Gla12, GB13b, Kim13, MG12, BM10a]. **prolific** [CJ10]. **Promising** [BWS⁺17]. **PROMPT** [EH19a, EH19b]. **prone** [SK11, SK12d]. **Proneness** [KBR17b, JM13]. **properties** [GPC12]. **property** [NAS10]. **Proposal** [eAMO10, MSM18]. **proposed** [SK12c]. **prospects** [BP10]. **protection** [Kie12]. **protocol** [MD12, VS11b]. **protocols** [HDKB13, KSR12]. **Psygkas** [Kie12]. **Public** [Neu11b, Neu12a, Neu13e, Neu14, Neu16a, Neu16b, Neu16c, Neu16d, Neu17a, Neu17b, Neu17c, Neu18a, Neu18b, Neu18c, Neu18d, Neu18e, Neu19a, Neu19b, Neu10a, Neu10b, Neu10c, Neu10d, Neu10e, Neu11a, Neu11c, Neu11d, Neu12b, Neu12c, Neu12d, Neu12e, Neu12f, Neu13a, Neu13b, Neu13c, Neu13d, Neu13f]. **Publications** [SAS16]. **published** [BM10a, BM10c, BM10b, Ber10a, Rog10, Saf10, Sau10, Tri10a, Tri10b]. **Publishing** [Saf10]. **Purpose** [FS18]. **Pursuit** [Xie16b]. **Pyla** [St.12].

q [KPA10]. **q-gram** [KPA10]. **Q'Facto** [KS10]. **qualitas** [TMVB13]. **Qualitas.class** [TMVB13]. **qualitative** [KS13b]. **Qualities** [AFF⁺16]. **Quality** [BK16, GWG⁺17, HNT16, Kay11, KGS11, MM10a, Tei18, BK11, JDV12, KS10, RPB12, Sin13, St.12, Yaz10]. **Quality-oriented** [KGS11]. **quantification** [KK12a]. **quantifying** [MSK⁺10, Sam13a]. **Quantitative** [kP16, CPPC12, HPO⁺13, PMTP12]. **queries** [NK13]. **querying** [LLS12]. **questions** [Ber11b]. **quotes** [Ber10b, BA10a, BA10b, BA10c, BA10d, BA11, Ber11c, Ber12c]. **QVT** [LLS12].

R [Ber10a, Fro13b, Sam13a, Sau10, Tra10b]. **Radial** [SBS11, DD11]. **Rady** [Teo12a]. **Rago** [Teo13a]. **Rails** [M.13, Teo12a]. **RAISE** [HdCH⁺12]. **Raj** [Ebe13]. **Rajlich** [Tra13]. **Ralph** [Gla12]. **Random** [Gre12b]. **Ranged** [FSK12]. **ranked** [MG12]. **Rankin** [Pay13]. **rate** [RRSV13]. **rates** [Yu11]. **rational** [Teo12d]. **rationale** [NK13]. **Raymond** [Rus11]. **RE** [SAS16, JD13]. **re-engineering** [JD13]. **Reactive** [BM10c]. **readability** [SM12a]. **Readiness** [PC14]. **ready** [AH12e, Del11a]. **real** [Aus11, HDKB13, MKK12b, MKK13b]. **real-time** [Aus11]. **Realizing** [HdCH⁺12]. **Reasoning** [KL18, Sun18, Wei18]. **Recipes** [Tri10b, Teo13c]. **recommendation** [KK13]. **Recommendations** [Cho10]. **reconfigurable** [Sch13a, Whi11]. **recovery** [SD11]. **Red** [Men12]. **Reddy** [Gla11]. **reducing** [Jai11, TG13]. **Reduction** [LAX17, MSK⁺10]. **REEW** [FS11]. **refactor** [SK11]. **refactoring** [CS12b, SK12d]. **Reference** [Sun18, Dek10]. **Refinement** [MGLF12]. **Reflection** [Tek12b]. **refute** [Ban12a]. **registration** [RB10]. **Regression** [RK16, DD11, NUK13, PM10, RA13]. **regular** [AHS12]. **Reinders** [Ber13, Swa12b]. **Related** [Sin19]. **relational** [LGMM10]. **relations** [LLS12, Yu11]. **Relationship** [GBSL16, KD11, BBF13, MO11, NAS10]. **Relay** [Sch13d]. **relevancy** [Tee10b]. **Reliability** [NGD14a, SVT13, TS11, KKK11, MVGM10, SK10b, SKT10].

Reloaded [FM18d, FM18b]. **Remarkable** [Tra10a]. **RePa'16** [LZK⁺18]. **Repair** [ZLNP18]. **Replaying** [WKG17]. **replicability** [LG12]. **Replication** [KKPJ10, KKPJ12]. **Report** [AENK16, BCKS12a, BCKS12b, BCKS13, BBG⁺13, Ber10a, CD17, DJB17, EPBR16, FCT⁺17, Fra16, FM18c, FM18a, FM18d, FM18b, GK12, GGR10, GKMM18, GKS17, GKL18a, GKL18b, GPW17, HdCH⁺12, HKPS12, HAJW13, IOSS18, JRG⁺13, KKPJ10, KKPJ12, LLM⁺12, LLM⁺13, LZK⁺18, LSM⁺10, LIL13, LNG⁺13, LRS11, RFD⁺18b, RFD⁺18a, RJJ13, REN⁺14, SFTS18, WL13, XZM13, CBK10, CS12b, GJ13, KNOV12, KNOF13, MMM10, OKNB11, SSJM12, TLG⁺16, TSEvD10, TSvD⁺11]. **Repositories** [Mun19]. **RePriCo'12** [HKPS12]. **reputation** [SGM12]. **Requirement** [HJ12, SK10a, SK12a, TG11]. **Requirements** [Arr18, BS17, BBU⁺17, FS11, HDDS12, HKPS12, HNT16, LZK⁺18, Noo18, SAS16, Sin19, UYG⁺19, BA13, Ber11d, CJ10, DBK⁺13, GMCH⁺13, GS12, GB10, KK11, KGS11, VB13, dSAVP10]. **Research** [BP10, DM13, Fra16, IOSS18, KKPJ10, KKPJ12, Mei17, RGBR14, SW18, TDWV17, Xie16a, Xie16b, CBK10, CMGV13, Gve13b, HBM13, HW13, Kat13, Kim13, Zag13, HW13, Sam13a]. **RESER** [KKPJ10, KKPJ12]. **resilience** [SGM12]. **Resolution** [Adr19]. **RESOLVE** [Kra18, SW18, Sun18]. **Resource** [HSS⁺16, Ban11, HDKB13]. **Responsible** [Ost17]. **REST** [Ebe13]. **RESTful** [Del12b]. **Restructuring** [RC17]. **Results** [Adr19, SS10a]. **RET** [BBU⁺17, UYG⁺19]. **retrieval** [BDJ10]. **Reusability** [PM12, Tai13, CC13, eAMO10, GB11, GB13a, JRX12, MSK⁺10, NKS10, SNS10a, SNS10b]. **reusable** [BDJ10]. **Reuse** [TG13]. **revelation** [MRN13]. **Review** [Act11, Aus11, Bel11, BM10a, BM10c, BM10b, Ber10a, Ber11d, Ber13, Bes13a, Bes13b, Cha13b, Cha13a, Coo12, Del11b, Del11a, Del11c, Del12a, Del12d, Del12c, Del12b, Del13, Epp11, Fro12a, Fro12b, Fro13a, Fro13b, Gla12, Gla11, Gou12, Gve13a, Gve13b, Hag11, Hat12, Jah13, Kie13a, Kie13b, M.13, Mei17, Men12, Mit11, Mor13, Ngo11, Ngo12, Pai13a, Rog10, Rus11, Saf10, Sam13a, Sau10, Sau13a, Sch12a, Sch13a, Sch13b, St.12, Swa12a, Swa12b, Tan12, Teo11, Teo12a, Teo12b, Teo12c, Teo12d, Teo13a, Teo13b, Teo13c, Teo13d, Teo13e, Teo13f, Teo13g, Tra10b, Tra10a, Tra11a, Tri10a, Tri10b, Vu11, Wer10, Whi11, HBM13, MJ11, Pan10, PCR12, SBK13]. **Rex** [St.12]. **Reza** [Sch12a]. **rich** [Teo13e]. **Richard** [BM10a, Epp11, Teo13a]. **Rigorous** [GR12]. **rigour** [LG12]. **Riquet** [Tra10a]. **risk** [BK11]. **Risks** [Neu10a, Neu10b, Neu10c, Neu10d, Neu10e, Neu11a, Neu11b, Neu11c, Neu11d, Neu12a, Neu12b, Neu12c, Neu12d, Neu12e, Neu12f, Neu13a, Neu13b, Neu13c, Neu13d, Neu13e, Neu13f, Neu14, Neu16a, Neu16b, Neu16c, Neu16d, Neu17a, Neu17b, Neu17c, Neu18a, Neu18b, Neu18c, Neu18d, Neu18e, Neu19a, Neu19b, KS13b]. **Road** [MWR19a, MWR19b]. **Roadmap** [IOSS18]. **Robert** [Del12b]. **Robison** [Swa12b, Ber13]. **Robot** [GPW17]. **Rod** [Teo12a]. **Ron** [Sch13b]. **root** [DC13]. **routing** [KSR12]. **Rozanski** [Del12c]. **Rubel** [Teo12b]. **Ruby** [Del12a, Teo12a, Del12d]. **rule** [BDJ10, KK13]. **rule-based** [KK13]. **Rules** [TLG⁺16, Ban10a, Gou12, Mir11, O'S11, Sch13b]. **Runtime** [BBG⁺13]. **Russel** [Tra11b]. **S** [Act11, Del11c, Gve13a, St.12, Jai11]. **S2ERC** [Zag13]. **S2PF** [ZCW12]. **Safe** [GKS17, GKL18a, GKL18b]. **safeguard** [SGM12]. **Safety** [APNT16, DK16, HMS16, SM16, kP16, BKMJ12, JWB⁺18]. **Safety-Critical**

[APNT16, kP16, HMS16, BKMJ12]. **Sam** [Tra10c]. **Sameer** [Wer10]. **Sams** [Saf10, Pai13a]. **sanitizer** [VS11a]. **Saul** [Tri10b]. **Sauro** [Sam13a]. **SCAG** [CSKB11]. **Scalability** [Gou12]. **Scalable** [MP17]. **Scale** [KS11c, Ber12d, DM13, MM13a, Mor13]. **scales** [VB13]. **scaling** [Gou12]. **scattered** [MKB11]. **SCAV'17** [GKS17]. **SCAV'18** [GKL18a, GKL18b]. **Scenarios** [KL18, BM12]. **Scheduling** [DRO⁺17]. **Scheme** [KAZS14, WZ12]. **Scholarly** [SAS16]. **Schutta** [Bes13a]. **Science** [Sch16a, Sch18, Sau11]. **Scientific** [Tri10b]. **scientist** [Tra10b]. **Scientists** [Tri10a]. **SCORE** [MFF⁺10]. **SCRUM** [Jie16, Kay11, PMM16]. **SE** [Win11a]. **Search** [MP17, VM13, WCG⁺18, RFS10, SS10a]. **Second** [Sau10, Del12c, Hat12, Sch12c, BCKS12a, BCKS12b, BCKS13, JRG⁺13]. **Secondary** [Car18]. **secret** [Sch12d]. **secure** [VS11b]. **securing** [Pai13b]. **security** [BP10, CPG⁺12, GSB11, KK11, KS13b, Lev13, SGS12a, Tra12, Zag13, Teo13f]. **SEED** [Ard10, AH10a, AH10b, AH11a, AH11b, AH11c, AH12a, AH12b, AH12c, AH12e, AH12d, AH13a, AH13b, AH13c, AH13d]. **SEET** [BM18]. **Seibold** [Sto13]. **Selection** [dCBS13, GDF13, JS12, KK13, MD12, PGP13, SS11]. **selective** [SGS12a]. **Self** [NS10b, CSG13]. **Self*** [NS10b]. **Semantic** [BK16, DR18, JS18a, MKK⁺12a, MKK⁺13a]. **Semantics** [AHS12, BMMR12, YKF⁺12]. **SEMAT** [JRG⁺13, RJJ13]. **semester** [Cat13]. **semester-long** [Cat13]. **sense** [Jah13]. **Sensor** [GGR10]. **Separability** [EPBR16]. **Separation** [MKB11, ZLNP18, Pha18]. **Series** [SAS16, CMGV13, Tek12b]. **Server** [BSS12, BSS13c, RVB12]. **Servers** [KAZS14]. **Service** [BK16, BS17, LLM⁺12, LLM⁺13, LSM⁺10, LIL13, ACS13, CSKB12, Fro13b, GD10, KB12, Lev13, MD12, RRSV13, Rip10, SKJ⁺13, SNS10c, WJ12, Del12b]. **service-based** [WJ12]. **Service-Oriented** [LLM⁺12, LLM⁺13, LSM⁺10, LIL13, Fro13b]. **services** [SKJ⁺13, Del12b]. **SESENA** [GGR10]. **Session** [FM18d, FM18b]. **set** [Lon10a, Lon10b]. **set-based** [Lon10a, Lon10b]. **Seth** [Wer10]. **settest** [Del11a]. **seventh** [Cha13b, AENK16]. **severity** [CN11]. **Shadow** [NNTK17]. **Shailendra** [Bes13b]. **Shannon** [Tra10a]. **SHARK** [LAK10]. **Sharon** [Kim13]. **Shavit** [Vu11]. **shelf** [Ber12a, Cho10, Hag11]. **shelf-ware** [Ber12a]. **shell** [Cha13a]. **shell-programming** [Cha13a]. **Shen** [Sch13a]. **Sheng** [Sch13a]. **Shmuel** [Teo12d]. **SHS** [BRS13]. **SHS-HTTPS** [BRS13]. **Side** [Bul18, BSS12, BSS13c]. **Side-Channel** [Bul18]. **signature** [VS11b]. **signing** [JC13]. **SIGSOFT** [KBRS17a]. **Silver** [FM18d, FM18b]. **similarity** [Tee11]. **Simon** [Hag11, M.13]. **simple** [O'S11, RB10]. **simplifications** [Ber11a]. **Simulation** [ZS14, DBA13, Rim12, Sau10]. **Simulation-Based** [Sau10]. **SIMUROSOT** [RMFO13]. **Singh** [Fro12b]. **Singhoff** [Aus11]. **single** [Cat13]. **Singular** [HNT16]. **sites** [Gou12]. **situational** [GD12]. **six** [MG12]. **size** [BBF13]. **Slices** [SM17]. **Slicing** [SPKM16, JG13]. **SlowPOST** [RRSV13]. **small** [dCBS13]. **Smart** [BWS⁺17, BWSF18a, BWSF18b, RFD⁺18b, RFD⁺18a, VA17]. **smells** [SK11]. **smelly** [SK12d]. **Smid** [Rog10]. **Smoot** [Fro13b]. **SMT** [YA12]. **SMT-based** [YA12]. **SOA** [CSKB11, CSKB13, Ebe13, KJ10, RB10, SAS11]. **SOAP** [Del12b]. **SOAP/WSDL** [Del12b]. **Sobell** [Cha13a, Men12]. **Social** [BWSF18a, BWSF18b, GTK17, Tra11b]. **Society** [BM10a, Sch16a, Sch18]. **socio** [MW12]. **socio-technical** [MW12].

socioeconomic [YO11]. **soft** [KS12b, SNS10a, SNS10b]. **Software** [Adr19, AFF⁺16, Ard10, AH10a, AH10b, AH11a, AH11b, AH11c, AH12a, AH12b, AH12c, AH12e, AH12d, AH13a, AH13b, AH13c, AH13d, BCKS12a, BCKS12b, BCKS13, BM10a, BM18, Ber12d, BR16, BB11b, BWS⁺17, BWSF18a, BWSF18b, CCM⁺10, Car18, CBK10, CD17, DR11b, EH19a, EH19b, EPBR16, GTK17, GWG⁺17, GGR10, GFBE10, GPW17, GR12, GBSL16, HdCH⁺12, HKPS12, HSS⁺16, JS18b, JD13, Jie16, Jin18, JRG⁺13, KKPJ10, Kra18, KKPJ12, KS11c, KOPR16, KMTD17, KOH⁺18a, KOH⁺18b, KPA10, KBRS17a, KBRS17b, MJ11, Mei17, MM13b, MRJD17, Mun19, NGD14b, NOFK18b, NOFK18a, Ost16b, Ost18b, RJJ13, REN⁺14, RC17, RK16, Rup10, SA17, Sch11b, Sch16a, Sch18, Sha16, SRS12, SRS13, SS16, SPKM16, SFTS18, Sin19, SA16, Tei18, Tek12a, TDWV17, Tra13, TSEvD10, TSvD⁺11, XZM13, vdLR18a, vdLR18b]. **software** [Act11, AJP13, BKMJ12, BSS13a, BP10, BD11, BDM12, Ber10a, Ber10b, B^Á10a, B^Á10b, B^Á10c, B^Á10d, Ber11b, Ber11a, B^Á11, Ber11c, Ber12c, Ber12e, BMRB10, BDJ10, BK11, CB12, CA10, CV13, Cat13, CSG13, CPPC12, CK11b, CPG⁺12, CMGV13, Dah10, DC13, DD11, DBA13, DM13, DST⁺10, DR10, DR11a, DRD12, Eis12a, ED12, eAMO10, Fra11, GAWM11, GMCH⁺13, GB11, Geo10, GT10, GJ13, Gup11, Hag11, HPO⁺13, Jan12, JRX12, JDV12, JK11, JK12, Jon13, KCS11, Kri13, KNOV12, KKK11, KS12b, KK13, LAK10, LKM⁺13, LGMM10, LRS11, MG12, dCMMdA12, MKS10, MFF⁺10, MRN13, MM10b, MM11a, MM11b, MM13a, Miy11, MVGM10, NUK13, Nie12, NMVS11, OKNB11, PGP13, PASS13, PA10, PDS⁺13, RRK13, RRN13, RPB12, RT10, RR11, Rip12, Rus11, SNS10a, SNS10b]. **software** [Sch12a, Sch13c, Sch13b, SK10a, SK12a, SK10b, SKT10, SBB12, SK12d, SS13, Sin13, SBK13, SV13, Sol12, SS10a, SS10b, TCB⁺12, Tek12b, Tra10c, Tra11b, Tra12, UDA10, VCPR12, VM13, Wan18, YO11, Yu11, Zag13, dCBS13, CKS18, Fra16, HMS16, SSJM12, Tan12, Tra11a, Ber11d, Del12c, Doe10a, Doe10b, Doe10c, Doe10d, Doe10e, Doe11a, Doe11b, Doe11c, Doe11d, Doe12a, Doe12b, Doe12c, Doe12d, Doe12e, Doe12f, Doe13a, Doe13b, Doe13c, Doe13d, Doe13e, Doe13f, Doe14, Doe16a, Doe16b, Doe16c, Doe16d, Doe18, Fro12b]. **Solaris** [Coo12]. **solution** [Gre12a, RRSV13]. **Solutions** [BWS⁺17, Del12b, Ebe13]. **solve** [WZ12]. **solving** [Sau13b]. **Sons** [BM10a, Sau10]. **Sorting** [BKP16]. **Source** [Jin18, KS11c, ANCM12, CV13, CMGV13, JK11, JK12, MG12, MKK⁺12a, MKK⁺13a, SK12d, SSK13, Tai13]. **source-code** [MKK⁺12a, MKK⁺13a]. **sourceforge.net** [MG12]. **sourcing** [JS12]. **Space** [HK12, Swa12a]. **Spanner** [Rog10]. **Spatial** [Ban10b]. **specific** [Kie13a]. **Specification** [BM10c, JM13, SGS12b]. **specification-based** [JM13]. **specifications** [GB10, SS10a]. **spectrum** [HWA12]. **spectrum-based** [HWA12]. **speculative** [ZCW12]. **speed** [ZS13]. **SPF's** [PSJ18]. **SPL** [SA16]. **Spraul** [Sau13b]. **Springer** [BM10b]. **SQL** [KK14]. **St** [M.13]. **Stakeholder** [Noo18, Kim13]. **Standard** [WKG17]. **State** [Elb16, Elb17, Elb19, MWR19a, MWR19b, ACK12, Ban10a, BS12, CK11a, ED12, GC12, MB12, RMFO13, YAS11, YKF⁺12]. **state-machines** [BS12]. **Static** [ZS14, KK12b, Lan11]. **statistical** [Yu11]. **statistics** [Sam13a]. **STCD** [BSS12, BSS13c]. **Stefan** [Bes13b]. **Stella** [Swa12a]. **Step** [ZS14]. **Stephen** [Fro13b, Teo13a]. **Sterling** [Eis12a]. **Stevens** [Teo13a]. **Stirling** [Teo12c]. **Story** [SS16]. **Strategies** [dCMMdA12, Kie13b, RMFO13]. **string**

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