A Complete Bibliography of Publications in the *Journal of Systems and Software*

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Title word cross-reference

(k, n) [?]. (n, t, n) [?]. 1000 [?]. 2 [?]. 3 [?]. 2 [?]. 4 [?]. 3 [?]. 3 + 1 [?]. + [?]. α [?]. β [?]. F [?]. HV²M [?]. i* [?].  
K [?]. 2 [?]. 2 [?]. 2 [?]. 2 [?]. 2 [?]. 2 [?]. 2 [?]. L [?]. M [?].  
M³ [?]. N [?]. 3 [?]. 3 [?]. O(1) [?]. p [?]. q [?].  
R [?]. t [?]. Z [?].  

* [?].

.NET [?].  
/M/1/Fifo [?].  

1 [?]. 1-2-3 [?]. 103 [?]. 109c [?]. 10th [?]. 11 [?]. 128 [?]. 13-round [?]. 133 [?]. 1471 [?]. 148 [?]. 15504 [?]. 1679 [?]. 192/256 [?]. 1980s [?]. 1990s [?]. 1996 [?]. 1H [?]. 1st [?].  

2 [?]. 2.0 [?]. 2004 [?]. 2007 [?]. 2008 [?]. 2009 [?]. 2017 [?]. 2153 [?]. 2167A [?]. 23rd [?]. 24-h [?]. 256 [?].  

3 [?]. 3-Disjoint [?]. 3/layer [?]. 35th [?].  
3E [?]. 3G [?]. 3GPP [?].  

4.0 [?]. 4G [?]. 4GL [?]. 4GLs [?].
Clustering
Coercion-free
Collaborations
Collocational
Collocation
Combinatorial
Combination
Codebases
Coding-based
Cocoa
Cobol
Colocation
Component
Constraint-Based [?].
Constraint/Rule [?]. Constraints
? [?], [?], [?], [?], [?], [?], [?], [?], [?], [?], [?], [?]. Constructs [?].
Constructs [?]. constructs [?]. constructs [?]. consumer [?].
content-consumption [?]. ConSUS [?]. contained [?]. Container [?].
Containers [?]. Container-based [?].
Containers [?]. Contemporary [?].
Contemporary [?], content-based [?], content-aware [?],
Context [?]. Content [?]. Contented [?]. Content [?], content-oriented [?],
content-aware [?]. content-aware [?]. Context [?].
Context-aware [?]. context-aware [?], context-based [?],
context-sensitive [?], contexts [?], contextual [?],
continguous [?], Contingency [?],
Contingent [?]. continue [?]. Continuing [?].
continuity [?], Continuous [?],
Continuously [?]. Contract [?].
Contract-based [?], contracting [?], contracts [?],
contrast [?]. contrast [?].
Contribution [?], Contributions [?], Control
? [?], [?], [?], [?], [?], [?], [?], [?], [?], [?].
? [?], [?], [?], [?], [?], [?], [?], [?], [?], [?].
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? [?], [?], [?], [?], [?], [?], [?], [?], [?], [?].
? [?], [?], [?], [?], [?], [?], [?], [?], [?], [?].
? [?], [?], [?], [?], [?], [?], [?], [?], [?], [?].
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? [?], [?], [?], [?], [?], [?], [?], [?], [?], [?].
cost-effectiveness [?]. cost-effective [?].
control-based [?], control-theoretic [?],
controllability [?]. Controllable [?].
controlled [?], controlling [?]. controller
? [?], [?], controlling [?], controlling [?].
Controversy [?], [?], [?], [?], [?], [?],
[?], [?], [?], [?], [?], [?]. conventions [?].
convergence [?], Conversion [?].
Conversion-based [?]. Convertible [?].
Convex [?], COOL [?]. cooperated [?].
Cooperation [?], cooperative [?].
cooperation-based [?]. Cooperative
? [?], [?], [?], [?], [?], [?], [?], [?].
Coopetitive [?]. coordinate [?].
Coordinated [?], Coordinating [?].
Coordination [?], [?], [?], [?], [?], [?].
coordinator [?]. Coping [?], COPS [?].
copy [?], copyright [?], CoqCots [?].
CorAL [?]. CORBA [?], [?], [?].
Corba-based [?]. core
? [?], [?], [?], [?], [?], [?], [?], [?], [?], [?], [?],
[?], [?], [?], [?], [?], [?], [?], [?], [?], [?], [?].
Corrections [?], Correct [?], correcting [?],
Correction [?], correct [?], corrigendum [?]
?, [?], [?], [?], [?], [?] corrivers [?].
corruption [?], cosine [?]. COSMIC
[?], [?]. Cost [?], [?], [?], [?], [?], [?], [?],
[?], [?], [?], [?], [?], [?], [?], [?], [?], [?], [?],
[?], [?], [?], [?], [?], [?], [?], [?], [?], [?], [?],
[?], [?], [?], [?], [?], [?], [?], [?], [?], [?], [?],
[?], [?], [?], [?], [?], [?], [?], [?], [?], [?], [?].
cost-cognizant [?]. Cost-effective
? [?], [?], [?], [?], [?], cost-effectiveness [?].
cost-efficient [?], cost-estimation [?].
Data-locality-aware [?].
Data/Knowledge [?]. Database
[?]. Database-Oriented [?]. Databases
[?]. Datalog [?]. Databases
[?]. Database-LP [?]. Datalog-Driven [?].
Dataflow [?]. Dataflow
[?]. Db4XML [?]. DBMS [?]. DC [?].
DDB [?]. DDBX [?]. DDBX-LPP [?].
DCT [?]. DCT-based [?].
Deadlock [?]. Deadlock-free [?].
Deadlock-dealing [?].
Deadline [?]. Deadlining [?].

dependable [?]. Dependable
[?]. Dependence
[?]. Dependences
[?]. Dependency
[?]. Dependency-based [?].
deployment [?]. Deployed [?].
deprecation [?]. Deprecated [?].
dereference [?]. Derived [?].
description [?]. Describing [?].
description-based [?]. Derived [?].
description-based [?].
disparities [?]. dispatching [?].
displacement [?]. Displaying [?].
dissemination [?]. Distance [?].
distortions [?]. Distributed [?].
distortion [?]. Distinguish [?].
distorting [?]. Distinguishing [?].
diversities [?]. Diversified [?].
Distinctive [?].

Domains [?].

Double [?]. Double-layered [?].
doubly [?]. doubtful [?]. Down [?].
download [?]. Downloadable [?]
DPDP [?]. DPE [?]. DPE/PAC [?].
DR [?].

DR-TCP [?]. Dr. [?]. drag [?].
drag-and-drop [?]. DRAMA [?].
dramatic [?]. DrRank [?]. Drat [?].

DrDB [?]. DRE [?]. drift [?].

Driven [?]. Driven [?].

Dumb [?].

duplicate [?]. duration [?].

durations [?]. During [?].

duty [?]. DWT [?].

DWT-based [?]. DyDAP [?].
dying [?].

Dynamic [?].

dynamic-circuit [?]. dynamical [?].

Dynamically [?].

DYNAMICS [?].

DYSCS [?].

e-business [?]. e-commerce [?].
e-contracting [?].

e-mail [?]. e-science [?].

EA [?]. each [?]. earlier [?].

Early [?].

EASE06 [?]. EAST [?].

EAST-ADL [?]. Eastman [?].

easy [?].

eBizBench [?]. ECC [?].

ECEM [?].

ECClass [?]. eco [?]. eco-security [?].
fork-join [?]. Form [? ? ? ? ?]. Formal

FORTUNA [?]. forward [? ? ?]. Found
|ation [? ?]. Form [? ?]. formation
| | | | | | | framing [?]. fragility [?]. fragmentation
| | | | | | | fragments [? ?]. Frame
| | | | | | | Frame-Based [? ?]. frames
| | | | | | | framework
| | | | | | | framework-intensive [?]. Frameworks
| | | | | | | Frank [?]. fraud [?]. Fred [?]. Free [? ? ?:]. free-spirited
| | | | | | | free-list [?]. free-open [?].

FreeBSD [?]. FreeRTOS [?]. French [?].
frequency [? ? ? ? ?]. frequency-hopping
friendly [? ? ?]. friends [? ? ?]. front
| | | | | | | frontiers [?]. FRSM [?]. frustrated
| | | | | | | FSA [?]. FTAM [?]. FTM [?]. Full

G [?]. G-Nets [?]. GA [? ? ?]. GA-fuzzy
| | | | | | | gameplay [? ?]. games [? ?]. Gamification
| | | | | | | Garbage [? ? ? ?]. GASR [?].

Gateway [? ?]. Gateway-oriented
| | | | | | | gathering [? ? ?]. General
| | | | | | | General-Purpose [?]. generalization [?].
| | | | | | | generate-and-validate [?]. generated
| | | | | | | Generating
| | | | | | | geographically [? ?]. geolocation [?].
geometric [?], geometrical [?], gesture [?], gesture-based [?], gestures [?], gets [?], GeX [?], Gibbs [?], GitHub [?], Given [?], gives [?], Glass [?], GLBM [?], global [?], globally [?], Glotos [?], GM [?], GM-WTA [?], GMPLS [?], go [?], Goal [?], Goal-driven [?], GoF [?], Going [?], gold [?], Gompertz [?], Good [?], Good-bye [?], Goodbye [?], GoH [?], GoI [?].


H [?], H. [?], H.264 [?], HACK [?], Hacker [?], Hadoop [?], Hadoop-based [?], half [?], half-tone [?], Hamming [?],..
Impartial? Imperceptible? Implementations?

Implementing? Implications?

Importance? Impossible? Improprecise? improper?

Improving? Information?

information-hiding? information-systems?

inaccurate? inaccurately?

Inconsistency? Incorporating?

Incorrect? Increasing?

Incremental? Independent?

Index? Imperfect? Implementation?

index-domain? indexes?

indexing? indicators?

indices?

Indeficiency? Inexact? Inexpensive?

infeasible? Inference?

infinite? inflow?

Influence? Influencing?

influential?

Inform? Information?

Informal?

Informing?

Industry/university?

Industrialization?

Industry/vehicle?

improvements?

Improves? Improvements?

imputation?

in-depth?

in-house?

in-network?

Incentive? Incidents?

including?

incomplete?

inconsistencies?

Incorporating?

indexing?

Indexing?

Inhibitors?

Initative?

Initiatives?

Injection?

innovations?

innovative?

Input?

input-centric?

input-based?

InRob?

Ins?

Insability?

Insensus?

insourcing?

inspection?
Instruments [?]. [Inspections [?], inspectors [?], inspired [?], instability [?], installations [?].

instance [?], instances [?].

Instantiation [?].

Instrumentalization [?]. Institutions [?], Institutions [?], Institutions [?].

Instrumented [?]. [Instruments [?], insulated [?], integer [?], integral [?]. integrate [?], integrated [?].

Integrated [?]. [Integrated [?], Integrating [?], Integrating [?], Integrating [?], Integrating [?]. interoperable [?], interoperability [?], interoperable [?], interoperability [?].

Interoperable [?]. interpersonal [?].

Interplay [?], interpolation [?].

Interpretation [?], interpreted [?].

Interpreter [?]. Interprocedural [?], Interprocess [?], Interrelationships [?], interruptions [?], interrupts [?], interval [?], interval-based [?], interval [?].

Interventions [?], interview [?].

Interviews [?]. Interweaving [?].

Interworking [?], intra [?], Intranet [?], intraprocessural [?], introduced [?].

Introducing [?], invalid [?], invariance [?], invariance [?].

inventory [?], inversion [?], inverted [?].

Invertible [?], investigate [?].

Investigating [?], investigation [?], investigation [?], investigation [?], investigations [?], investment [?], investigations [?], investigation [?].

Investigations [?], investment [?].

Investments [?]. Invocation [?].

involvement [?], involving [?], iOS [?].

IoT [?], IP [?], IP [?], IP-based [?], IP [?], IP-based [?], IP [?], IPv6 [?], IR [?], IR [?], IR-based [?], IRC [?], IRC-based [?].

IRIS [?], IS/software [?], ISBSG [?].
leader [?]. Leadership [?]. leading [?]. leads [?]. leaf [?]. Leagile [?]. leak [?]. LEAM [?]. Lean [?], learn [?]. Learned [?]. Learner [?].

Learning [?], Learning-based [?]. least [?]. least-privilege [?]. least-time [?]. leave [?]. leave-one-out [?]. lecture [?]. led [?]. left [?]. Legacy [?]. legitimate [?]. Lemo [?]. legs [?]. Lehman [?]. length [?]. Less-than-Successful [?].

lesson [?]. Lessons [?]. Let [?]. Letter [?]. Letter-Oriented [?]. leukocyte [?]. Level [?]. levels [?]. Leveraging [?].

lexical [?]. librarians [?]. libraries [?]. LibreOffice [?]. license [?]. licenses [?]. Life [?]. Life-cycle [?]. lifecycle [?].

Lifetime [?]. light [?]. light-weight [?]. Lightning [?]. Lightweight [?]. like [?].

likelihood [?]. likelihood-free [?]. Limited [?]. Limiting [?]. Limits [?].

Linda [?]. line [?]. Linear [?]. Lines [?]. lingual [?].

Link [?]. Link-Layer [?]. Linkage [?]. linked [?]. Linking [?]. Links [?]. Linux [?]. LISP [?]. List [?]. Listings [?].

Lists [?]. Literature [?]. Little [?]. Littledwood [?]. live [?]. lives [?]. Living [?]. LMR [?]. Load [?]. Load-balancing [?]. Load-Building [?].

Load-prediction [?]. load/extract [?]. Load-aware [?]. location [?]. location-dependent [?]. lock [?]. lock-based [?]. locking [?].

locking-based [?]. locks [?]. Log [?]. Log-base [?].

log-logistic [?]. logging [?]. Logic [?]. logical [?]. logics [?]. logics-based [?].

logistic [?]. logics [?]. logs [?]. London [?].

longitudinal [?]. look [?]. loop [?]. Loop [?].

loop-level [?]. Loops [?]. Loosely [?].

Loosely-Coupled [?]. Losing [?]. Loses [?]. Loss [?].

Lossless [?]. Lotus [?]. Low [?].

low-cost [?]. low-end [?]. low-latency [?].

Low-Level [?]. lower [?].
Machines
M[?]. LS[?]. LSS[?]. LTE[?]. LTL[?].
L[?].
M[?]. M[?]. m-banking[?]. M2M[?].
MAC[?]. MacGuffin[?]. Machine
M[?]. Maintainer[?]. Mac[?].
Maintainability
M[?]. Maintainable[?]. Maintaining[?].
Machine[?]. machinery[?].
Mainframe[?]. mainstream[?].
Maintainability
M[?]. maintainable[?]. Maintainers[?].
Maintaining[?]. Maintenance[?].
M[?]. magnetic[?]. Mahtab[?]. mail[?].
Main[?]. main-memory[?].
Mainframe[?]. mainstream[?].
maintenance-first[?]. maintenance-free
M[?]. major[?]. majors[?]. make
M[?]. makers[?]. makespan[?]. Making
M[?]. M[?]. makespan[?]. Malicious[?].
malfunctions[?]. malicious[?].
malleability[?]. Malware[?]. man[?].
Manage[?]. Man[?]. manage[?].
Management[?]. manageable[?].
ex M[?].
management
M[?]. M[?]. managers[?]. manager[?].
Managerial[?]. managing[?].
Managing[?]. Management[?].
Mandated[?]. MANET[?].
manifestation[?]. manifold[?].
Manipulation[?]. manipulate[?].
Manpower[?]. Manual[?].
Manufacturing[?]. Many[?].
Many-core[?]. Many-objective[?].
Map[?]. Map-matched[?]. Mapping
M[?]. mapping[?]. mapp[?].
mapping-based[?]. Mapping[?].
market[?]. marketplace[?].
Market[?]. MARKS[?]. MAS[?].
MAS-ML[?]. mashup[?]. Masquerade
M[?]. Massachusetts[?]. Massive[?].
Massively[?]. Master[?]. Match[?].
matched[?]. Matching[?].
matching-based[?]. Material[?].
materialized[?]. mathematical[?].
Mathematics[?]. mating[?]. MATLAB
M[?]. MATLAB/Simulink[?]. matrices
M[?]. Matrix[?]. maturation[?]. maturing
M[?]. Maturity
M[?]. maturity-based[?]. Maude[?].
Maven[?]. Maximization[?]. maximize[?].
maximizing[?]. maximum[?].
may[?]. maze[?]. MB[?]. MB-UID
?]. MBASE[?]. MC[?]. MC/DC[?].
McCabe[?]. MCT[?]. MCTorrent[?].
MD4[?]. MDA[?]. MDABench[?].
MDD[?]. MDE[?]. me[?].
mean[?]. Means[?].
Means-ends[?]. Measure
M[?]. Measure[?]. Measurement
M[?]. Measuring[?]. Measurement[?].
Measurement-based[?]. Measurement-Driven[?].
measurement-modeling [?].
Measurements [?]. Measures [?].
Measuring [?]. Measuring [?].
Measures [?]. Mechanism [?].
mechanisms [?]. mechatronic [?]. media [?].
mediator [?]. mediating [?]. Mediation [?].
medium [?]. medium-sized [?]. medoid [?].
meet [?]. meet-in-the-middle [?].
meeting [?]. Member [?]. members [?].
Memetic [?]. memo [?]. memo-functions [?].
Memoriam [?]. Memories [?].
Memory [?]. Memory-corruption [?].
memory-efficient [?]. MENDELS [?].
Mental [?]. Menu [?].
Menu-Based [?]. Merge [?]. mergence [?].
Mergesort [?]. merging [?]. mesh [?].
mesh-connected [?]. MeshFS [?].
MeSRAM [?]. Message [?].
message-passing [?]. messages [?].
Message-Passing [?]. messaging [?].
Meta [?]. Meta [?]. meta-analysis [?].
meta-analytical [?]. meta-heuristic [?].
meta-model [?]. meta-modelling [?].
meta-object [?]. Meta-Protocol [?].
Meta-synthesis [?]. meta-tool [?].
Metadata [?]. Metadata-driven [?].
metadata-based [?]. Metadata-driven [?].
metaheuristic [?]. Metamodel [?].
metamodel [?]. metamodel-based [?].
Metamodel-driven [?]. metamodels [?].
metamorphic [?]. metaprogramming [?].
metaphorical [?]. metasearch [?].
metasearching [?]. Metasystem [?]. Method [?].
Methods [?]. Method-based [?]. Method-level [?].
Methodological [?]. Methodologies [?].
Methodology [?]. microbiology [?]. micro-droplet [?].
micro-payment [?]. micro-structures [?].
Micro/Macro [?]. micro-aggregation [?].
Microarchitectures [?].
microcode [?]. Microcomputers [?].
microcontrollers [?]. microgrids [?].
microkernel [?]. microkernel-based [?].
microservices [?]. middleware [?].
middletown [?]. migration [?].
migratible [?]. Migratable [?].
migrating [?]. Migration [?].
MIH [?].
MIH-based [?]. Mikhail [?, ?]. Mil [?].
Mil-Std-1679 [?]. millennium [?, ?].
MIMD [?]. mind [?]. mindfulness [?].
mine [?]. miner [?]. mines [?]. minimal [?]. minimisation [?]. minimization [?]. minimize [?].
mixed [?]. minimized [?]. Minimizing [?].
Minimum [?]. Minimum-Time-Reachability [?].
Minimum-cost [?].
Minimum-Time-Reachability [?].
Model [?]. Model-Based [?].
model [?]. Model-Driven [?]. modeled [?].
model-free [?]. model-oriented [?].
model-to-model [?]. modeled [?].
Mixed [?]. Mixing [?]. modular [?].
mixed [?]. mixed-criticality [?]. mixed-method [?].
MLC [?]. MMDB [?]. MMPP [?]. MMU [?].
MLC-DB [?]. MMDB [?]. MMPP [?]. MMU [?].
MMU-less [?]. Mobility [?].
Mobile [?]. mobility-enabled [?].
mobile [?]. mobile-commerce [?]. mobile-cloud [?]. mobile-commerce [?]. mobile-health [?].
Mobile [?]. Mod [?]. mode [?].
Mod [?]. Mod [?]. Module [?], Module-based [?], Modular [?].
Mod [?]. Mod [?]. modular [?].
Mod [?]. Module [?]. Module-based [?].
Mod [?]. Module [?]. Module-based [?].
?

MUTOMVO
Mutual-Exclusion
Myths

Naturalness
near-optimal
Nebo
NetBSD?

Network-aware
networked

Neural-network-based
Neuro?

nAIT?.
NAND[?].
narratives[?].

NASA[?].

NAT[?].
natal[?].
national[?].
native[?].

Natural[?].
nature[?].
navigation
near[?].
near-miss[?].
near-optimal[?].

Nearest[?].
necessarily[?].
Need[?].

Needed[?].

needles[?].

Needs[?].
negative[?].
neglect[?].
negotiation[?].
negotiators[?].
nearby[?].
navigators[?].

nest[?].
nested-virtualization
nest[?].

Net

NetBSD[?].

Nets[?].
network[?].

Networks

Network-aware[?].
network-based[?].
networked[?].
networking

networks

NoCs

Noisy

Notable?

Notation[?].
notational[?].
notations[?].
note[?].
notes[?].

Notification[?].
Notion[?].

Novel[?].

null[?].

NUMA[?].

Number

Numerically[?].
organized ➤ Organizing
 Oriented ➤ Orientation
 Parallel ➤ Parallels
 Paralleling ➤ Parallelism
 Objective ➤ OAS
 overloads ➤ Parameterized
 overloads ➤ Parameters
 Overconfidence ➤ Parity
 Outgoing ➤ Outage
 Outsourcing ➤ Outsourced
 owners ➤ Ownership
 P ➤ P/S
 P/S-CoM ➤ PAC
 P2P ➤ PAC
 Pacific ➤ Package
 Package ➤ Packaged
 Packet ➤ Packed
 Page ➤ Pair
 page ➤ Paired
 pages ➤ Pairs
 paper ➤ Pattern
 PAM ➤ Patterns
 Panacea ➤ Patterns
 Papers
 Pass ➤ Passes
 passwords ➤ Passwords
 patterns ➤ Part
 parsing ➤ Partition
 Parsing ➤ Partitioned
 parsing ➤ Partitioning
 Parse ➤ Partitions
 Parse ➤ Paths
 Parsing ➤ Paths
 Parse ➤ Patients
 Parse ➤ Pattern-
 Parse ➤ Pattern-directed
 Parse ➤ Patterns
patterns-based [?]. pave [?]. payload [?]. payment [?]. Payoff [?]. PC [?]. PCS [?]. PDE [?]. PDL [?]. Peak [?]. Peer [?]. People [?]. Peer-to-peer [?]. People-oriented [?]. Per-flow [?]. Perceived [?]. ?]. percentage [?]. Perception [?]. Perceptions [?]. perceptual [?]. Percolation-based [?]. perfect [?]. perfecting [?]. performability [?]. performance [?]. Performance-based [?]. performance-directed [?]. performance-driven [?]. Performance-Reliability [?]. performance/reliability [?]. performances [?]. Performing [?]. Period [?]. Periodic [?]. periodic-frequent [?]. Periphery [?]. permutation [?]. Perpetual [?]. persistence [?]. persistent [?]. Person [?]. persona [?]. personal [?]. personalities [?]. personality [?]. personalization [?]. ?]. personalized [?]. personalizing [?]. personnel [?]. Perspective [?]. Perturbation [?]. Perturbation-based [?]. Perturbations [?]. Pervasive [?]. Petri [?]. Petri-nets [?]. PF [?]. PF-Miner [?]. Ph.D. [?]. Phase [?]. Phases [?]. Phase-wise [?]. phased [?]. Phase-wise [?]. Phi [?]. Philosophy [?]. PHP [?]. Phrase [?]. phrases [?]. physical [?]. physical-task [?]. picture [?]. pictures [?]. piece [?]. Pig [?]. Pillar [?]. Pilot [?]. Pinned [?]. Pioneer [?]. pipeline [?]. pipelined [?]. piracy [?]. pitfalls [?]. pivoting [?]. pixel [?]. pixel-value [?]. PL [?]. PL/1 [?]. PL/SQL [?]. Place [?]. placement [?]. plain [?]. Plan [?]. planned [?]. Planning [?]. plans [?]. plans [?]. plant [?]. plasticity [?]. Plate [?]. Platform [?]. Platforms [?]. playback [?]. play [?]. PLC [?]. PLC-based [?]. please [?]. Plenty [?]. PMIPv6 [?]. Point [?]. pointers [?]. Points [?]. Poisson [?]. poker [?]. Policies [?]. Policy [?]. Polymorph [?]. Polymorphism [?]. Polynomials [?]. pool [?]. popularity [?]. Populating [?]. population [?]. port [?]. Portability [?]. portable [?]. Portal [?]. portals [?]. portfolio [?]. portfolios [?]. Portrait [?]. positioning [?]. Positive [?]. Post [?]. Post-adoptive [?]. Post-Mortem [?].
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re-location [?]. re-transmission [?].
Reachability [?]. reachable [?].
react [?]. reactive [?].
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Reader [?]. Reactor [?]. Readable [?].
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Real-Time

Reducing recently, recently?

real-time

real-time/non-real-time?

real-world?

reality

realization?

reason?

reassembling?

reassessing?

reassessment?

Rebalanced?

Rebalanced-RSA?

REBNITA'05?

REBOOT?

recapture?

receiver?

receiver-centric?

recently?

recently-evolving?

recently-introduced?

rechargeable?

recharging?

recognize?

Recognition?

recommend?

recommendation?

Recommender?

Recommending?

Reconciliation?

reconfigurable?

reconfiguration?

reconfiguring?

reconstruction?

record?

recoverable?

Recovering?

Recycling?

Red [?]. Redesign?

redistribution?

redistributing?

reduce?

Reduction?

redundancy?

Redundant?

Reengineered?

Reengineering?

refactored?

Refactoring?

refactorings?

Reference?

re recuperer

reflection?

reflective?

Reformulating?

ref ormulation?

region?

register?

registration?

registrations?

Regression?

regression-based?

regular?

regulations?

Reifer?

reinforcement?

rekeying?

related?

relatedness?

Relation?

relational?

relation-based?

Relevance?

related?

Reliability?

Reliability-driven?

reliability-oriented?

Reliable?

Remains?

Remarks?

remedy?

reminder?

ReMinds?

Remote?

remotely?

Removal?
Risk-driven [?]. Revisitation [?].
Revisited [?]. Revisiting [?]. Revocation [?]. Revolution [?].
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RTCNI [?]. Rule [?].
Rules [?]. Rule-Based [?].
Run [?]. Run-time [?]. runaways [?].
running [?]. runs [?].
Runtime [?].
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Rust/Node.js/WebAssembly [?].
s [?]. S-IDE [?]. S-MARKS [?]. SAAD [?].
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SAND [?]. SATELLITE [?]. Satisfy [?].
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SBVR [?]. Scalability [?].
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S-CoM [?]. S-CoM [?].
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schemas [?]. Scheme [?].
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Transformational [?]. Transformations


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Alherbish:1998:HPA


Ahmed:2007:MBU


Arias:2011:DDE


Abi-Antoun:2007:CSR

Andrews:2019:BBM

Alegre:2016:ECA

Arvanitou:2017:MSD

Andrews:2002:ICB

Abebe:2013:SCL


[AAGT16]

[AAH12b] Alnas:2010:PEF


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Al-Ayyoub:2016:VBC


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Necasky:2012:ECM
Introduction 

In this section, we present an overview of the state of the art in the field of software development, particularly focusing on the challenges faced by developers in managing and maintaining large and complex software systems. We discuss the importance of software quality and the role of software engineering in ensuring that software systems are reliable, maintainable, and efficient. We also highlight the significance of software evolution and the need for continuous improvement in software development practices.

1. Introduction to Software Development 

Software development is a complex and intricate process that involves the design, implementation, testing, and maintenance of software systems. It is a multidisciplinary field that requires a deep understanding of computer science, mathematics, and human-computer interaction. The process of software development is typically divided into several stages, each with its own set of challenges and requirements.

2. Challenges in Software Development 

Software development is a challenging field, and developers face a variety of obstacles and complexities when building and maintaining software systems. Some of the major challenges include:

- **Software Complexity**: The complexity of software systems has been increasing rapidly, making it difficult for developers to understand and maintain.
- **Scalability**: Software systems need to be scalable to handle increasing loads and user demands.
- **Security**: Ensuring the security of software systems is a critical issue, particularly in the context of online and cloud-based systems.
- **Reliability**: Software systems need to be reliable and robust to handle unexpected errors and failures.
- **Maintainability**: Software systems need to be maintainable and extensible to accommodate future changes and updates.
- **Performance**: Software systems need to be optimized for performance to meet user expectations.

3. Software Engineering Practices 

Software engineering is the practice of applying engineering principles to the design, development, and maintenance of software systems. It involves the use of various tools and techniques to ensure that software systems are developed efficiently and effectively. Some of the key practices in software engineering include:

- **Agile Development**: An iterative and incremental approach to software development that emphasizes flexibility and adaptability.
- **Testing**: Ensuring the quality of software systems through testing and validation.
- **Version Control**: Managing changes to software systems through version control systems.
- **Continuous Integration**: Integrating code changes frequently to ensure that software systems are built and tested continuously.
- **Documentation**: Documenting software systems to facilitate understanding and maintenance.
- **Code Review**: Reviewing code changes to ensure that they meet quality standards.

4. Software Evolution 

Software systems are continually evolving, and developers need to be able to manage and adapt to these changes effectively. Some of the key aspects of software evolution include:

- **Software Maintenance**: Managing the changes to software systems to ensure that they continue to meet user needs.
- **Software Evolution**: Adapting software systems to new technologies and requirements.
- **Software Adoption**: Implementing new technologies and practices to improve software development.

5. Conclusion 

In conclusion, software development is a complex and challenging field that requires a deep understanding of computer science and human-computer interaction. By applying best practices in software engineering and continuous improvement, developers can create software systems that are efficient, reliable, and maintainable. As software systems continue to evolve, developers need to be able to adapt and evolve their processes to ensure that software systems remain relevant and effective over time.
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Prieur-Drevon:2018:RSS


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Palviainen:2011:REP


Pinto:2012:DDD


Pernstål:2013:LGR

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Pacheco:2012:SLR


Perez:2015:MQP


Petrillo:2019:SDC


Pozo:2012:CMD


PGRQVV12

Paulish:2008:E


Pai:2006:SRF


Pom:2012:CMD


PGRQVV12

Pom:1986:AMM


PH86

Pom:1993:PCS


PH93

Pai:2006:SRF


PH06

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