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Federal Register - 1960-11

Functional Requirements Document for the NASA/MSFC Earth Science and Application Division - J. Briscoe Stephens 1992

Software Engineering and Human-Computer Interaction - Richard N. Taylor 1995-03-15

This volume presents the thoroughly revised proceedings of the ICSE '94 Workshop on Joint Research Issues in Software Engineering and Human-Computer Interaction, held in Sorrento, Italy in May 1994. In harmony with the main objectives of the Workshop, this book essentially contributes to establishing a sound common platform for exchange and cooperation among researchers and design professionals from the SE and HCI communities. The book includes survey papers by leading experts as well as focused submitted papers. Among the topics covered are design, processes, user interface technology and SE environments, platform independence, prototyping, interactive behaviour, CSCW, and others.

Software Testing as a Service - Ashfaque Ahmed 2009-09-14

In today's unforgiving business environment where customers demand zero defect software at lower costs—it is testing that provides the opportunity for software companies to separate themselves from the competition. Providing a fresh perspective on this increasingly important function, *Software Testing as a Service* explains, in simple language, how to use software testing to improve productivity, reduce time to market,

and reduce costly errors. The book explains how the normal functions of manufacturing can be applied to commoditize the software testing service to achieve consistent quality across all software projects. This up-to-date reference reviews different software testing tools, techniques, and practices and provides succinct guidance on how to estimate costs, allocate resources, and make competitive bids. Replete with examples and case histories, this book shows software development managers, software testers, testing managers, and entrepreneurs how proper planning can lead to the creation of software that proves itself to be head and shoulders above the competition.

MARA System Documentation - 1989

Functional Requirements Document for NASA/MSFC Earth Science and Applications Division: Data and Information System (ESAD-DIS). Interoperability, 1992 - J. Briscoe Stephens 1992

Airborne Electronic Hardware Design Assurance - Randall Fulton 2017-08-01

Written by a Federal Aviation Administration (FAA) consultant designated engineering representative (DER) and an electronics hardware design engineer who together taught the DO-254 class at the Radio Technical Commission for Aeronautics, Inc. (RTCA) in Washington, District of Columbia, USA, *Airborne Electronic Hardware Design Assurance: A Practitioner's Guide to RTCA/DO-254* is a testimony to the lessons learned and wisdom gained from many years of first-hand experience

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in the design, verification, and approval of airborne electronic hardware. This practical guide to the use of RTCA/DO-254 in the development of airborne electronic hardware for safety critical airborne applications: Describes how to optimize engineering processes and practices to harmonize with DO-254 Addresses the single most problematic aspect of engineering and compliance to DO-254—poorly written requirements Includes a tutorial on how to write requirements that will minimize the cost and effort of electronic design and verification Discusses the common pitfalls encountered by practitioners of DO-254, along with how those pitfalls occur and what can be done about them Settles the ongoing debate and misconceptions about the true definition of a derived requirement Promotes embracing DO-254 as the best means to achieve compliance to it, as well as the best path to high-quality electronic hardware Airborne Electronic Hardware Design Assurance: A Practitioner's Guide to RTCA/DO-254 offers real-world insight into RTCA/DO-254 and how its objectives can be satisfied. It provides engineers with valuable information that can be applied to any project to make compliance to DO-254 as easy and problem-free as possible.

The Definitive Guide to Quality Application Delivery - Don Jones 2008

Internal Revenue Bulletin - United States. Internal Revenue Service 2011-12-27

Collaborative Computing: Networking, Applications and Worksharing - Xinheng Wang 2019-08-18

This book constitutes the thoroughly refereed proceedings of the 15th International Conference on Collaborative Computing: Networking, Applications, and Worksharing, CollaborateCom 2019, held in London, UK, in August 2019. The 40 full papers, 8 short papers and 6 workshop presented were carefully reviewed and selected from 121 submissions. The papers reflect the conference sessions as follows: cloud, IoT and edge computing, collaborative IoT services and applications, artificial intelligence, software development, teleportation protocol and entanglement swapping, network based on the neural network,

scheme based on blockchain and zero-knowledge proof in vehicle networking, software development.

[Title List of Documents Made Publicly Available](#) - 1987

Document Drafting Handbook - Gladys Q. Ramey 1991

Building Enterprise JavaScript Applications - Daniel Li 2018-09-29

Strengthen your applications by adopting Test-Driven Development (TDD), the OpenAPI Specification, Continuous Integration (CI), and container orchestration. Key Features Create production-grade JavaScript applications from scratch Build microservices and deploy them to a Docker container for scaling applications Test and deploy your code with confidence using Travis CI Book Description With the over-abundance of tools in the JavaScript ecosystem, it's easy to feel lost. Build tools, package managers, loaders, bundlers, linters, compilers, transpilers, typecheckers - how do you make sense of it all? In this book, we will build a simple API and React application from scratch. We begin by setting up our development environment using Git, yarn, Babel, and ESLint. Then, we will use Express, Elasticsearch and JSON Web Tokens (JWTs) to build a stateless API service. For the front-end, we will use React, Redux, and Webpack. A central theme in the book is maintaining code quality. As such, we will enforce a Test-Driven Development (TDD) process using Selenium, Cucumber, Mocha, Sinon, and Istanbul. As we progress through the book, the focus will shift towards automation and infrastructure. You will learn to work with Continuous Integration (CI) servers like Jenkins, deploying services inside Docker containers, and run them on Kubernetes. By following this book, you would gain the skills needed to build robust, production-ready applications. What you will learn Practice Test-Driven Development (TDD) throughout the entire book Use Cucumber, Mocha and Selenium to write E2E, integration, unit and UI tests Build stateless APIs using Express and Elasticsearch Document your API using OpenAPI and Swagger Build and bundle front-end applications using React, Redux and Webpack Containerize services using

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DockerDeploying scalable microservices using KubernetesWho this book is for If you're a JavaScript developer looking to expand your skillset and become a senior JavaScript developer by building production-ready web applications, then this book is for you.

Export Administration Bulletin - United States. Bureau of Export Administration 1999

Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriations for 1993: Department of Veterans Affairs, Court of Veterans Appeals - United States. Congress. House. Committee on Appropriations. Subcommittee on VA, HUD, and Independent Agencies 1992

Handbook of Research on Machine Learning Applications and Trends: Algorithms, Methods, and Techniques - Olivias, Emilio Soria 2009-08-31

"This book investigates machine learning (ML), one of the most fruitful fields of current research, both in the proposal of new techniques and theoretic algorithms and in their application to real-life problems"--Provided by publisher.

NASA Reports Required by Congress - United States. Congress. House. Committee on Science, Space, and Technology. Subcommittee on Space Science and Applications 1990

RF and Microwave Applications and Systems - Mike Golio 2018-10-03

This volume, RF and Microwave Applications and Systems, includes a wide range of articles that discuss RF and microwave systems used for communication and radar and heating applications. Commercial, avionics, medical, and military applications are addressed. An overview of commercial communications systems is provided. Past, current, and emerging cellular systems, navigation systems, and satellite-based systems are discussed. Specific voice and data commercial systems are investigated more thoroughly in individual chapters that follow. Detailed discussions of military electronics, avionics, and radar (both military and automotive) are provided in separate chapters. A chapter focusing on FR/microwave energy used for therapeutic medicine is also provided. Systems considerations including thermal,

mechanical, reliability, power management, and safety are discussed in separate chapters. Engineering processes are also explored in articles about corporate initiatives, cost modeling, and design reviews. The book closes with a discussion of the underlying physics of electromagnetic propagation and interference. In addition to new chapters on WiMAX and broadband cable, nearly every existing chapter features extensive updates and several were completely rewritten to reflect the massive changes areas such as radio navigation and electronic warfare.

Hardcore Java - Robert Simmons Jr 2004-03-11
Java has quickly become one of the most important languages in programming, particularly for professional and enterprise-level projects. From its infancy as a language primarily used for web applets to its maturity through servlets, Enterprise JavaBeans, and database access, Java has become a complex and robust tool for today's developer. Hardcore Java takes this language and breaks it apart, piece by piece, revealing the important secrets and tricks that will take you from a junior-level programmer to a seasoned and expert developer. You'll fly through the fundamentals and quickly find yourself learning about advanced memory management techniques, optimization and bytecode-level enhancements, and the techniques required to build lightning-fast GUIs. Throughout the book, you'll also master the art of writing and maintaining bulletproof and error-proof code, all while grasping the intricacies of the Java language. Hardcore Java covers: Use of the final keyword to optimize and protect your Java classes. Complete and thorough coverage of all types of nested classes, including how to optimize anonymous and inner classes. Detailed discussion of immutable objects, including unique tips on when to use them (and when not to). Elimination of bugs through exception-handling management. In-depth studies of constants, including their impact on the Java memory model. The most thorough discussion of reflection in print, moving far beyond other books' "Hello World" coverage. Construction and use of dynamic proxies, in both Java Standard and Enterprise editions. Expansive coverage of weak references, including usage patterns and

their role in garbage collection and memory management. Hardcore Java is an invaluable addition to every programmer's library, and even the most advanced developers will find themselves moving beyond their own conceptions into truly advanced applications of the language. Thousands of lines of code, heavily commented and easily runnable, illustrate each concept in the book.

How to Become an It Architect - Cristian Bojinca 2016-11

Defining the various types of IT architecture in the industry, this one-of-a-kind resource highlights the rewards of becoming an architect and explores the details of the deliverables, project structure, and how to approach their creation. --

Functional Requirements Document for the Earth Observing System Data and Information System (EOSDIS) Scientific Computing Facilities (SCF) of the NASA/MSFC Earth Science and Applications Division, 1992 - Michael E. Botts 1992

Internal Revenue Cumulative Bulletin - United States. Internal Revenue Service 2000

Space Physics and Aeronomy, Space Weather Effects and Applications - Anthea J. Coster 2021-04-27

Examines how solar and terrestrial space phenomena affect sophisticated technological systems Contemporary society relies on sophisticated technologies to manage electricity distribution, communication networks, transportation safety, and myriad other systems. The successful design and operation of both ground-based and space-based systems must consider solar and terrestrial space phenomena and processes. Space Weather Effects and Applications describes the effects of space weather on various present-day technologies and explores how improved instrumentation to measure Earth's space environment can be used to more accurately forecast changes and disruptions. Volume highlights include: Damage and disruption to orbiting satellite equipment by solar particles and cosmic rays Effects of space radiation on aircraft at high altitudes and latitudes Response of radio and radar-based systems to solar bursts Disturbances to the

propagation of radio waves caused by space weather How geomagnetic field changes impact ground-based systems such as pipelines Impacts of human exposure to the space radiation environment The American Geophysical Union promotes discovery in Earth and space science for the benefit of humanity. Its publications disseminate scientific knowledge and provide resources for researchers, students, and professionals. Find out more about the Space Physics and Aeronomy collection in this Q&A with the Editors in Chief

TOGAF® 9 Certified Study Guide - 2nd Edition - Rachel Harrison 1970-01-01

The TOGAF 9 certification program is a knowledge-based certification program. It has two levels, leading to certification for TOGAF 9 Foundation and TOGAF 9 Certified, respectively. The purpose of certification to TOGAF 9 Certified is to provide validation that, in addition to the knowledge and comprehension of TOGAF 9 Foundation level, the Candidate is able to analyze and apply this knowledge. The learning objectives at this level therefore focus on application and analysis in addition to knowledge and comprehension. This Study Guide supports students in preparation for the TOGAF 9 Part 2 Examination, leading to TOGAF 9 Certified.

Software Reliability Techniques for Real-World Applications - Roger K. Youree 2023-02-13

SOFTWARE RELIABILITY TECHNIQUES FOR REAL-WORLD APPLICATIONS SOFTWARE RELIABILITY TECHNIQUES FOR REAL-WORLD APPLICATIONS Authoritative resource providing step-by-step guidance for producing reliable software to be tailored for specific projects Software Reliability Techniques for Real-World Applications is a practical, up to date, go-to source that can be referenced repeatedly to efficiently prevent software defects, find and correct defects if they occur, and create a higher level of confidence in software products. From content development to software support and maintenance, the author creates a depiction of each phase in a project such as design and coding, operation and maintenance, management, product production, and concept development and describes the activities and products needed for each. Software Reliability

Techniques for Real-World Applications introduces clear ways to understand each process of software reliability and explains how it can be managed effectively and reliably. The book is supported by a plethora of detailed examples and systematic approaches, covering analogies between hardware and software reliability to ensure a clear understanding. Overall, this book helps readers create a higher level of confidence in software products. In *Software Reliability Techniques for Real-World Applications*, readers will find specific information on: Defects, including where defects enter the project system, effects, detection, and causes of defects, and how to handle defects Project phases, including concept development and planning, requirements and interfaces, design and coding, and integration, verification, and validation Roadmap and practical guidelines, including at the start of a project, as a member of an organization, and how to handle troubled projects Techniques, including an introduction to techniques in general, plus techniques by organization (systems engineering, software, and reliability engineering) *Software Reliability Techniques for Real-World Applications* is a practical text on software reliability, providing over sixty-five different techniques and step-by-step guidance for producing reliable software. It is an essential and complete resource on the subject for software developers, software maintainers, and producers of software.

Model Driven Architecture - Foundations and Applications - Ina Schieferdecker

2008-05-30

The fourth edition of the European Conference on Model-Driven Architecture - Foundations and Applications (ECMDA-FA 2008) was dedicated to furthering the state of knowledge and fostering the industrialization of the model-driven architecture (MDA) methodology. MDA is an initiative proposed by the Object Management Group (OMG) for platform-generic software development. It promotes the use of models in the specification, design, analysis, synthesis, deployment, and evolution of complex software systems. ECMDA-FA 2008 focused on engaging key European and international researchers and practitioners in a dialogue which will result in a stronger, more

efficient industry, producing more reliable software on the basis of state-of-the-art research results. ECMDA-FA is a forum for exchanging information, discussing the latest results and arguing about future developments of MDA. It is a pleasure to be able to introduce the proceedings of ECMDA-FA 2008. ECMDA-FA addresses various MDA areas including model management, executable models, concrete syntaxes, aspects and concerns, validation and testing, model-based systems engineering, model-driven development and service-oriented architectures, and the application of model-driven development. There are so many people who deserve warm thanks and gratitude. The fruitful collaboration of the Organization, Steering and Program Committee members and the vibrant community led to a successful conference: ECMDA-FA 2008 obtained excellent results in terms of submissions, program size, and attendance. The Program Committee accepted, with the help of additional reviewers, research papers and industry papers for ECMDA-FA 2008: We received 87 submissions. Of these, a total of 31 were accepted including 21 research papers and 10 industry papers. We thank them for the thorough and high-quality selection process.

Information Technology for Manufacturing - Kevin Ake 2003-11-24

This book presents a wide-ranging view of the benefits available through the intelligent use of manufacturing information systems. Readers benefit from the authors' collective experience in bringing new information technologies into manufacturing companies. Using examples of actual IT implementations, they provide a comprehensive picture of how to cut costs and add valuable new capabilities to IT projects. The book takes a comprehensive look at five major areas where IT systems can play a pivotal role in improving any company's manufacturing processes. Going beyond theory, the authors show readers how they can ensure that their IT investments bring a real payback to their companies.

The Semantic Web - Yong-jiang Yu 2009-12-15

The Annual Asian Semantic Web Conference is one of the largest regional events in Asia with focused topics related to the Semantic Web. With the decade-round endeavor of Semantic

Web believers, researchers and practitioners, the Semantic Web has made remarkable progress recently. It has raised significant attention from US and UK governments, as well as the European Commission who are willing to deploy Semantic Web technologies to enhance the transparency of eGovernment. The Linked Open Data initiative is on its way to convert the current document Web into a data Web and to further enabling various data and service mashups. The fast adoption of Semantic Web technologies in medical and life sciences has created impressive showcases to the world. All these efforts are a crucial step toward enabling the take-off and the success of the Semantic Web. The First Asian Semantic Web Conference was successfully held in China in 2006. With the following editions in Korea in 2007 and Thailand in 2008, it fostered a regional forum for connecting researchers and triggering innovations. This year, the 4th Asian Semantic Web Conference was held in Shanghai, China. We received 63 submissions from Asia, Europe, and North America, and 25 papers were accepted (the acceptance rate is around 40%). Each submission was reviewed by at least three members of the Program Committee. The Chairs moderated the discussion of conflict reviews or invited external reviewers to reach the final decisions.

Site Characterization Progress Report - 1997

Software Applications: Concepts, Methodologies, Tools, and Applications - Tiako, Pierre F.
2009-03-31

Includes articles in topic areas such as autonomic computing, operating system architectures, and open source software technologies and applications.

The Code of Federal Regulations of the United States of America - 1970

The Code of Federal Regulations is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government.

IT Release Management - Dave Howard
2011-07-13

When implemented correctly, release management can help ensure that quality is integrated throughout the development,

implementation, and delivery of services, applications, and infrastructure. This holistic, total cost of ownership approach allows for higher levels of system availability, is more cost effective to maintain, and increases overall stability, maintainability, and reliability. Filled with practical insights, *IT Release Management: A Hands-on Guide* clearly illustrates the effective implementation of a release process in the real world. It examines the similarities and differences of release management and project management to clear up any confusion there might be about the two complementary processes. Shedding light on the day-to-day challenges that need to be overcome to ensure success, it details the how-to's of effective implementation—including what to implement, how to do it, and when to do it. This complete resource includes a detailed model for executing a release management process, as well as numerous templates, diagrams, and role and responsibility charts to help kick start implementation efforts in your organization. Addressing the all-important cultural aspects, it explains how to sell the benefits of release management to all levels of your organization, how to overcome objections, and how to determine organizational readiness.

Emphasizing the need to measure performance, it explains how to develop effective performance metrics and supplies many helpful examples of effective productivity measures. When it comes to implementation, what works in one organization doesn't necessarily work in another. This accessible guide provides you with the tools to build on your practical knowledge and effectively implement a release management practice custom tailored to your organization. Goddard Conference on Space Applications of Artificial Intelligence - 1989

Federal Information Processing Standards Publication - 1968

Functional Requirements Document for the Earth Observing System Data and Information System (EOSDIS) Scientific Computing Facilities (SCF) of the NASA/MFSC Earth Science and Applications Division, 1992 - 1992

Trends and Applications in Software

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Engineering - Jezreel Mejia 2015-10-22

This book contains a selection of papers from The 2015 International Conference on Software Process Improvement (CIMPS'15), held between the 28th and 30th of October in Mazatlán, Sinaloa, México. The CIMPS'15 is a global forum for researchers and practitioners that present and discuss the most recent innovations, trends, results, experiences and concerns in the several perspectives of Software Engineering with clear relationship but not limited to software processes, Security in Information and Communication Technology and Big Data Field. The main topics covered are: Organizational Models, Standards and Methodologies, Knowledge Management, Software Systems, Applications and Tools, Information and Communication Technologies and Processes in non-software domains (Mining, automotive, aerospace, business, health care, manufacturing, etc.) with a demonstrated relationship to software process challenges.

International Encyclopedia of Ergonomics and Human Factors - 3 Volume Set - Informa Healthcare 2000-12-14

The first encyclopedia in the field, the International Encyclopedia of Ergonomics and

Human Factors provides a comprehensive and authoritative compendium of current knowledge on ergonomics and human factors. It gives specific information on concepts and tools unique to ergonomics. About 500 entries, published in three volumes and on CD-ROM, are pre

Code of Federal Regulations - 1988

Special edition of the Federal Register, containing a codification of documents of general applicability and future effect ... with ancillaries.

Data-Centric Business and Applications - Aneta Poniszewska-Marańda 2019-12-14

This book explores various aspects of software creation and development as well as data and information processing. It covers relevant topics such as business analysis, business rules, requirements engineering, software development processes, software defect prediction, information management systems, and knowledge management solutions. Lastly, the book presents lessons learned in information and data management processes and procedures.

Foundations of Software Testing: For VTU - Mathur Aditya P 2013