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**MARCEL** - James C. Spohrer - 1992

**Future-Proof Software-Systems** - Frank J. Furrer - 2019-09-25

This book focuses on software architecture and the value of architecture in the development of long-lived, mission-critical, trustworthy software-systems. The author introduces and demonstrates the powerful strategy of "Managed Evolution," along with the engineering best practice known as "Principle-based Architecting." The book examines in detail architecture principles for e.g., Business Value, Changeability, Resilience, and Dependability. The author argues that the software development community has a strong responsibility to produce and operate useful, dependable, and trustworthy software. Software should at the same time provide business value and guarantee many quality-of-service properties, including security, safety, performance, and integrity. As Dr. Furrer states, "Producing dependable software is a balancing act between investing in the implementation of business functionality and investing in the quality-of-service properties of the software-systems." The book presents extensive coverage of such concepts as: Principle-Based Architecting Managed Evolution Strategy The Future Principles for Business Value Legacy Software Modernization/Migration Architecture Principles for Changeability Architecture Principles for Resilience Architecture Principles for Dependability The text is supplemented with numerous figures, tables, examples and illustrative quotations. Future-Proof Software-Systems provides a set of good engineering practices, devised for integration into most software development processes dedicated to the creation of software-systems that incorporate Managed Evolution.

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**Notices to Airmen (NOTAM's).** - United States. Federal Aviation Administration - 2000

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This volume describes a cognitive model of student programmers, and an implementation of that model that allows student programmers to be simulated. The focus of the model is on the problem solving that students perform to generate both correct and buggy programs as well as on the individual differences that cause different students to generate different programs for the same programming task. By developing a taxonomy of student programmer knowledge; a model of student program generation; and a preliminary model of individual differences, this research contributes to a better understanding of four areas of the study of student programmers. The most important claim is that a cognitive model of student program generation fits within a properly fleshed out generate test-and-debug (GTD) problem solving architecture in which impasse/repair knowledge plays a key role. This research is important theoretically because it explores the use of a GTD impasse/repair problem solving architecture in a new domain, and important practically because of its educational implications for programming instructions.

**Computer Systems Reliability** - Tom Anderson - 1979-07-31

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**Notices to Airmen** - - 1986

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**Automated Software Quality Measurement** - Keith A. Jones - 1993

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**SunNet Manager 2.2 Reference Manual** - - 1995

Written for both first-time and experienced users, this manual is a comprehensive guide to the features and functions of SunNet Manager (SNM), the leading open systems-based network management software platform for the UNIX market. Following a high-level description of SunNet Manager's underlying architecture, successive chapters cover various SNM features and tools, including the SunNet Manager Console, Management Database, Discover Tool, Browser Tool, Grapher Tool, and Set Tool. Appendices on error messages, man page summaries,
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Fehlerlerigerende Rechenstandards / Fault-Tolerant Computing Systems - Fevzi Belli - 2012-12-06

Fehlerlerigerende Rechenstandards / Fault-Tolerant Computing Systems - Fevzi Belli - 2012-12-06

21st Century C - Ben Klemens - 2014-09-27
Throw out your old ideas about C and get to know a programming language that's substantially outgrown its origins. With this revised edition of 21st Century C, you'll discover up-to-date techniques missing from other C tutorials, whether you're new to the language or just getting reacquainted. C isn't just the foundation of modern programming languages; it is a modern language, ideal for writing efficient, state-of-the-art applications. Get past origins. With this revised edition of 21st Century C, you'll discover up-to-date techniques missing from other C tutorials, whether you're new to the language or just getting reacquainted. C isn't just the foundation of modern programming languages; it is a modern language, ideal for writing efficient, state-of-the-art applications. Get past origins.

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21st Century C Explained - Jo Stichbury - 2005-06-10
This book explains the key features of Symbian OS and will help you to write effective C++ code. It focuses on aspects of good C++ style that apply particularly to Symbian OS. 21 items are used to target particular aspects of the operating system and provide a simple and straightforward exploration of coding fundamentals. Using example code and descriptions of best practice to deconstruct Symbian OS, the items guide you to what you should and should not do (and why), pointing out commonly-made mistakes along the way. Technologies covered include: client-server architecture descriptors and dynamic containers active objects, threads and processes leaves, cleanup stack and 2-phase construction thin templates, good API design, memory optimization, debug and test macros the ECOM plug-in framework Symbian OS Explained can be read cover-to-cover or dipped into as a reference that will improve your code style when programming with Symbian OS.

Effective Python Penetration Testing - Rejah Rehim - 2016-06-29
Pen test your system like a pro and overcome vulnerabilities by leveraging Python scripts, libraries, and tools About This Book Learn to utilize your Python scripting skills to pentest a computer system, network, and web-application Get proficient at the art of assessing vulnerabilities by conducting effective penetration testing This is the ultimate guide that teaches you how to use Python to protect your systems against sophisticated cyber attacks Who This Book Is For This book is ideal for those who are comfortable with Python or a similar language and need no help with basic programming concepts, but want to understand the basics of penetration testing and the problems pentesters face. What You Will Learn Write Scapy scripts to investigate network traffic Get to know application fingerprinting techniques with Python Understand the attack scripting techniques Write fuzzing tools with pentesting requirements Learn basic attack scripting methods Utilize cryptographic toolkits in Python Automate pentesting with Python tools and libraries In Detail Penetration testing is a practice of testing a computer system and application to find weaknesses in security that an attacker can exploit. Effective Python Penetration Testing will help you utilize your Python scripting skills to safeguard your networks from cyberattacks. We will begin by providing you with an overview of Python scripting and penetration testing. You will learn to analyze network traffic by writing Scapy scripts and will see how to fingerprint web applications with Python libraries such as ProxMon and Spyner. Moving on, you will find out how to write basic attack scripts, and will develop debugging and reverse engineering skills with Python libraries. Toward the end of the book, you will discover how to utilize cryptography toolkits in Python and how to automate Python tools and libraries. Style and approach This is an expert's guide to Python with a practical based approach, where each chapter will help you improve your penetration testing skills using Python to become a master pen tester.

Effective Python Penetration Testing - Rejah Rehim - 2016-06-29
Pen test your system like a pro and overcome vulnerabilities by leveraging Python scripts, libraries, and tools About This Book Learn to utilize your Python scripting skills to pentest a computer system, network, and web-application Get proficient at the art of assessing vulnerabilities by conducting effective penetration testing This is the ultimate guide that teaches you how to use Python to protect your systems against sophisticated cyber attacks Who This Book Is For This book is ideal for those who are comfortable with Python or a similar language and need no help with basic programming concepts, but want to understand the basics of penetration testing and the
constructing service providers, but also composition and delivery. Service requesters, service providers, and application fingerprinting techniques with Python Understand the attack scripting techniques Write fuzzing tools with pentesting requirements Learn basic attack scripting methods Utilize cryptographic toolkits in Python Automate pentesting with Python tools and libraries In Detail Penetration testing is a practice of testing a computer system, network, or web application to find weaknesses in security that an attacker can exploit. Effective Python Penetration Testing will help you utilize your Python scripting skills to safeguard your networks from cyberattacks. We will begin by providing you with an overview of Python scripting and penetration testing. You will learn to analyze network traffic by writing Scapy scripts and will see how to fingerprint web applications with Python libraries such as ProxMon and Sppynner. Moving on, you will find out how to write basic attack scripts, and will develop debugging and reverse engineering skills with Python libraries. Toward the end of the book, you will discover how to utilize cryptography toolkits in Python and how to automate Python tools and libraries. Style and approach This is an expert's guide to Python with a practical based approach, where each chapter will help you improve your penetration testing skills using Python to become a master pen tester.

[After payment, write to & get a FREE-of-charge, unprotected true-PDF from: Sales@ChineseStandard.net] This Standard specifies the time stamp service interface for application systems and time stamp authority systems, including the format of the time stamp requests and response messages, transmission mode, and time stamp service interface function. This Standard is applicable to the specifications of the products related to time stamp service based on the public key cryptographic infrastructure application technology framework as well as the integration and application of time stamp services.

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Expert MySQL - Charles Bell - 2007-04-01
MySQL remains one of the hottest open source database technologies. As the database has evolved into a product competitive with proprietary counterparts like Oracle and IBM DB2, MySQL has found favor with large scale corporate users who require high-powered features and performance. Expert MySQL is the first book to delve deep into the MySQL architecture, showing users how to make the most of the database through creation of custom storage handlers, optimization of MySQL's query execution, and use of the embedded server product. This book will interest users deploying MySQL in high-traffic environments and in situations requiring minimal resource allocation.

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As Service-Oriented Computing (SOC) gains a wider global acceptance, the need for understanding its life cycle becomes inevitable, not only for developers, but also for users. Service Life Cycle Tools and Technologies: Methods, Trends and Advances compiles the latest research on SOC life cycles, detailing methodologies and applications in this emerging field. The development of service-oriented applications not only depends on constructing service providers, but also composition and delivery. Service requesters, service providers, and developers, alike, will benefit from the views and models in a service life cycle. This volume offers research that has been conducted in both industry and academia to address issues in the SOC domain, including service discovery, service composition, and service management. It serves as a vital reference for those on either side of the service field.

Summary Camel in Action, Second Edition is the most complete Camel book on the market. Written by core developers of Camel and the authors of the highly acclaimed first edition, this book distills their experience and practical insights so that you can tackle integration tasks like a pro. Forewords by James Strachan and Dr. Mark Little Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Apache Camel is a Java framework that implements enterprise integration patterns (EIPs) and comes with over 200 adapters to third-party systems. A concise DSL lets you build integration logic into your app with just a few lines of Java or XML. By using Camel, you benefit from the testing and experience of a large and vibrant open source community. About the Book Camel in Action, Second Edition is the definitive guide to the Camel framework. It starts with core concepts like sending, receiving, routing, and transforming data. It then goes in depth on many topics such as how to develop, debug, test, deal with errors, secure your service, deploy, and monitor your Camel applications. The book also teaches you how to run Camel with microservices, reactive systems, containers, and in the cloud. What's Inside Coverage of all relevant EIPs Camel microservices with Spring Boot Camel on Docker and Kubernetes Error handling, testing, security, clustering, monitoring, and deployment Hundreds of examples in Java and XML About the Reader Readers should be familiar with Java. This book is accessible to beginners and invaluable to experts. About the Author Claus Ibsen is a senior principal engineer working for Red Hat specializing in cloud and integration. He has worked on Apache Camel for the last nine years where he heads the project. Claus lives in Denmark. Jonathan Anstey is an engineering manager at Red Hat and a core Camel contributor. He lives in Newfoundland, Canada. Table of Contents Part 1 - First steps Meeting Camel Routing with Camel Part 2 - Core Camel Transforming data with Camel Using beans with Camel Enterprise integration patterns Using components Part 3 - Developing and testing Microservices Developing Camel projects Testing RESTful web services Part 4 - Going further with Camel Error handling Transactions and idempotency Parallel processing Securing Camel Part 5 - Running and managing Camel Running and deploying Camel Management and monitoring Part 6 - Out in the wild Clustering Microservices with Docker and Kubernetes Camel tooling Bonus online chapters Available at https://www.manning.com/books/camel-in-action-second-edition and in electronic versions of this book: Reactive Camel Camel and the IoT by Henryk Konsek

Camel in Action - Claus Ibsen - 2018-02-02
Summary Camel in Action, Second Edition is the most complete Camel book on the market. Written by core developers of Camel and the authors of the highly acclaimed first edition, this book distills their experience and practical insights so that you can tackle integration tasks like a pro. Forewords by James Strachan and Dr. Mark Little Purchase of the print book includes a free eBook in PDF, Kindle, and epub formats from Manning Publications. About the Technology Apache Camel is a Java framework that implements enterprise integration patterns (EIPs) and comes with over 200 adapters to third-party systems. A concise DSL lets you build integration logic into your app with just a few lines of Java or XML. By using Camel, you benefit from the testing and experience of a large and vibrant open source community. About the Book Camel in Action, Second Edition is the definitive guide to the Camel framework. It starts with core concepts like sending, receiving, routing, and transforming data. It then goes in depth on many topics such as how to develop, debug, test, deal with errors, secure your service, deploy, and monitor your Camel applications. The book also teaches you how to run Camel with microservices, reactive systems, containers, and in the cloud. What's Inside Coverage of all relevant EIPs Camel microservices with Spring Boot Camel on Docker and Kubernetes Error handling, testing, security, clustering, monitoring, and deployment Hundreds of examples in Java and XML About the Reader Readers should be familiar with Java. This book is accessible to beginners and invaluable to experts. About the Author Claus Ibsen is a senior principal engineer working for Red Hat specializing in cloud and integration. He has worked on Apache Camel for the last nine years where he heads the project. Claus lives in Denmark. Jonathan Anstey is an engineering manager at Red Hat and a core Camel contributor. He lives in Newfoundland, Canada. Table of Contents Part 1 - First steps Meeting Camel Routing with Camel Part 2 - Core Camel Transforming data with Camel Using beans with Camel Enterprise integration patterns Using components Part 3 - Developing and testing Microservices Developing Camel projects Testing RESTful web services Part 4 - Going further with Camel Error handling Transactions and idempotency Parallel processing Securing Camel Part 5 - Running and managing Camel Running and deploying Camel Management and monitoring Part 6 - Out in the wild Clustering Microservices with Docker and Kubernetes Camel tooling Bonus online chapters Available at https://www.manning.com/books/camel-in-action-second-edition and in electronic versions of this book: Reactive Camel Camel and the IoT by Henryk Konsek

It is clear that the development of large software systems is an extremely complex activity, which is full of various opportunities to introduce errors. Software engineering is the discipline that provides methods to handle this complexity and enables us to produce reliable software systems with maximum productivity. An Integrated Approach to Software Engineering is different from other approaches because the various topics are not covered in isolation. A running case study is employed throughout the book, illustrating the different activity of software development on a single project. This work is important and instructive because it not only teaches the principles of software engineering, but also applies them to a software development project such that all aspects of development can be clearly seen on a project.

Programming Microsoft ASP.NET 2.0 Core Reference - Dino Esposito - 2006

Build your expertise as you move beyond the basics—and delve into the core topics of programming with ASP.NET 2.0. Useful to both experienced developers and those developing new skills, this ultimate reference is packed with expert guidance, hands-on programming instruction, and practical examples to help you advance your mastery of developing applications for the Web. Discover how to: Author rich, visually consistent pages and manage layout with themes and Master pages Create personalized pages that persist user preferences Retrieve, modify, and test metrics and problem solving; reviews the tools available, and the benefits of a software process improvement initiative; examines testing in the Aglie world, and the verification of safety critical systems; considers the legal and ethical aspects of software testing, and the importance of software configuration management; provides key learning topics and review questions in every chapter, and supplies a helpful glossary at the end of the book. This easy-to-follow guide is an essential resource for undergraduate students of computer science seeking to learn about software testing, and how to build high quality and reliable software on time and on budget. The work will also be of interest to industrialists including software engineers, software testers, quality professionals and software managers, as well as the motivated general reader.


This practically-focused textbook provides a concise and accessible introduction to the field of software testing, explaining the fundamental principles and offering guidance on applying the theory in an industrial environment. Topics and features: presents a brief history of software quality and its influential pioneers, as well as a discussion of the various software lifecycles used in software development; describes the fundamentals of testing in traditional software engineering, and the role that static testing plays in building quality into a product; explains the process of software test planning, test analysis and design, and test management; discusses test outsourcing, and test tools available. In addition, this book reviews the tools available, and the benefits of a software process improvement initiative; examines testing in the Agile world, and the verification of safety critical systems; considers the legal and ethical aspects of software testing, and the importance of software configuration management; provides key learning topics and review questions in every chapter, and supplies a helpful glossary at the end of the book. This easy-to-follow guide is an essential resource for undergraduate students of computer science seeking to learn about software testing, and how to build high quality and reliable software on time and on budget. The work will also be of interest to industrialists including software engineers, software testers, quality professionals and software managers, as well as the motivated general reader.
Learning a computer language like R can be either frustrating, fun, or boring. Having fun requires challenges that wake up the learner’s curiosity but also provide an emotional reward on overcoming them. This book is designed so that it includes smaller and bigger challenges, in what I call playgrounds, in the hope that all readers will enjoy their path to R fluency. Fluency in the use of a language is a skill that is acquired through practice and exploration. Although rarely mentioned separately, fluency in a computer programming language involves both writing and reading. The parallels between natural and computer languages are many, but differences are also important. For students and professionals in the biological sciences, humanities, and many applied fields, recognizing the parallels between R and natural languages should help them feel at home with R. The approach I use is similar to that of a travel guide, encouraging exploration and describing the available alternatives and how to reach them. The intention is to guide the reader through the R landscape of 2020 and beyond. Features R as it is currently used Few prescriptive rules—mostly the author’s preferences together with alternatives Explanation to reach them. The intention is to guide the reader through the R landscape of 2020 and beyond. Features R as it is currently used Few prescriptive rules—mostly the author’s preferences together with alternatives Explanation to reach them.

Pedro J. Aphalo is a PhD graduate from the University of Edinburgh, and is currently a lecturer at the University of Helsinki. A plant biologist and agriculture scientist with a passion for data, electronics, computers, and photography, in addition to plants, Dr. Aphalo has been a user of R for 25 years. He first organized an R course for MSc students 18 years ago, and is the author of 13 R packages currently in CRAN.

Pedro J. Aphalo - 2020-07-20

A concise and practical book shows where code vulnerabilities lie—without delving into the specifics of each system architecture, programming or scripting language, or application—and how best to fix them. Based on real-world situations taken from the author’s experiences of tracking coding mistakes at major financial institutions. Covers SQL injection attacks, cross-site scripting, data manipulation in order to bypass authorization, and other attacks that work because of missing pieces of code. Shows developers how to change their mindset from Web site construction to Web site destruction in order to find dangerous code

Sverre H. Huseby - 2004-11-19

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National Bureau of Standards - 1974

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