
Richardson Maturity Model Martin Fowler

Essential Skills for Using and Securing Networks

16th International Conference, ICWE 2016, Lugano, Switzerland, June 6-9, 2016.

Proceedings

Spring Microservices in Action, Second Edition

Spring MVC: Designing Real-World Web Applications

RESTful Web Services

Tackling Complexity in the Heart of Software

Web Development with Go

Handbook of Research on Architectural Trends in Service-Driven Computing

Pivotal Certified Spring Web Application Developer Exam

NoSQL Distilled

Pro Spring Boot

Semantic Technology

Aligning Enterprise, System, and Software Architectures

Fearless Cross-Platform Development with Delphi

API Management

Migrating Legacy Applications: Challenges in Service Oriented Architecture and Cloud Computing Environments

An Architect's Guide to Developing and Managing APIs for Your Organization

Testable Solutions with Arquillian

Clojure Recipes

Design, User Experience, and Usability: User Experience Design for Diverse Interaction Platforms and Environments

Professional Java EE Design Patterns

9th Joint International Conference, JIST 2019, Hangzhou, China, November 25-27, 2019, Proceedings

Cloud Computing for Environmental Data

Services for a Changing World

Building Microservices

Spring MVC Cookbook

Design and deliver valuable business APIs

Expand your Delphi skills to build a new generation of Windows, web, mobile, and IoT applications

Kafka in Action

Emerging Research and Opportunities

Creating Maintainable APIs

REST in Practice

19th International Conference, ICWE 2019, Daejeon, South Korea, June 11-14, 2019,
Proceedings

Hypermedia and Systems Architecture

Jornada Java

Hands-On RESTful Web Services with TypeScript 3

Microservice Architecture

First International Conference, MLN 2018, Paris, France, November 27-29, 2018,
Revised Selected Papers

A Study Guide

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Model Martin Fowler*

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Essential Skills for Using and Securing
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"This book covers both theoretical
approaches and practical solutions in the

processes for aligning enterprise,
systems, and software architectures"--
Provided by publisher.

**16th International Conference, ICWE
2016, Lugano, Switzerland, June
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Prepare for the Pivotal Certified Spring
Web Application Developer exam and

learn about Spring MVC DispatcherServlet configuration, Spring MVC programming model essentials, Spring MVC views and form processing, Spring Web Flow essentials, and Spring Web Flow actions and configuration. The Pivotal Certified Spring Web Application Developer Exam: A Study Guide is the ideal preparation for the exam and after reading and using it, you'll be able to pass and become a certified Spring Web Developer. When you become a Pivotal Certified Spring Web Application Developer, you'll receive one of the most valuable credentials available in enterprise Java. Achieving this certification demonstrates your ability to apply Spring's web projects to develop real-world Java web applications and validates your familiarity with Spring

Web.

Spring Microservices in Action, Second Edition "O'Reilly Media, Inc."

This book constitutes the refereed proceedings of the 19th International Conference on Web Engineering, ICWE 2019, held in Daejeon, South Korea, in June 2019. The 26 full research papers and 9 short papers presented were carefully reviewed and selected from 106 submissions. Additionally, two demonstrations, four posters, and four contributions to the PhD symposium as well as five tutorials are included in this volume. The papers cover research areas such as Web mining and knowledge extraction, Web big data and Web data analytics, social Web applications and crowdsourcing, Web user interfaces, Web security and

privacy, Web programming, Web services and computing, Semantic Web and linked open data applications, and Web application modeling and engineering.

Spring MVC: Designing Real-World Web Applications Springer

This book constitutes the thoroughly refereed proceedings of the 9th Joint International Semantic Technology Conference, JIST 2019, held in Hangzhou, China, in November 2019. The 24 full papers presented were carefully reviewed and selected from 70 submissions. They present applications of semantic technologies, theoretical results, new algorithms and tools to facilitate the adoption of semantic technologies and are organized in topical sections on knowledge graphs; data

management; question answering and NLP; ontology and reasoning; government open data; and semantic web for life sciences.

RESTful Web Services Springer
Research and Evidence in Software Engineering: From Empirical Studies to Open Source Artifacts introduces advanced software engineering to software engineers, scientists, postdoctoral researchers, academicians, software consultants, management executives, doctoral students, and advanced level postgraduate computer science students. This book contains research articles addressing numerous software engineering research challenges associated with various software development-related activities, including programming, testing,

measurements, human factors (social software engineering), specification, quality, program analysis, software project management, and more. It provides relevant theoretical frameworks, empirical research findings, and evaluated solutions addressing the research challenges associated with the above-mentioned software engineering activities. To foster collaboration among the software engineering research community, this book also reports datasets acquired systematically through scientific methods and related to various software engineering aspects that are valuable to the research community. These datasets will allow other researchers to use them in their research, thus improving the quality of overall research. The knowledge

disseminated by the research studies contained in the book will hopefully motivate other researchers to further innovation in the way software development happens in real practice.

Tackling Complexity in the Heart of Software CRC Press

Annotation Over the past 10 years, distributed systems have become more fine-grained. From the large multi-million line long monolithic applications, we are now seeing the benefits of smaller self-contained services. Rather than heavy-weight, hard to change Service Oriented Architectures, we are now seeing systems consisting of collaborating microservices. Easier to change, deploy, and if required retire, organizations which are in the right position to take advantage of them are yielding

significant benefits. This book takes an holistic view of the things you need to be cognizant of in order to pull this off. It covers just enough understanding of technology, architecture, operations and organization to show you how to move towards finer-grained systems.

Web Development with Go Apress

The need to handle increasingly larger data volumes is one factor driving the adoption of a new class of nonrelational “NoSQL” databases. Advocates of NoSQL databases claim they can be used to build systems that are more performant, scale better, and are easier to program. NoSQL Distilled is a concise but thorough introduction to this rapidly emerging technology. Pramod J. Sadalage and Martin Fowler explain how NoSQL databases work and the ways that they

may be a superior alternative to a traditional RDBMS. The authors provide a fast-paced guide to the concepts you need to know in order to evaluate whether NoSQL databases are right for your needs and, if so, which technologies you should explore further. The first part of the book concentrates on core concepts, including schemaless data models, aggregates, new distribution models, the CAP theorem, and map-reduce. In the second part, the authors explore architectural and design issues associated with implementing NoSQL. They also present realistic use cases that demonstrate NoSQL databases at work and feature representative examples using Riak, MongoDB, Cassandra, and Neo4j. In addition, by drawing on Pramod Sadalage's pioneering work,

NoSQL Distilled shows how to implement evolutionary design with schema migration: an essential technique for applying NoSQL databases. The book concludes by describing how NoSQL is ushering in a new age of Polyglot Persistence, where multiple data-storage worlds coexist, and architects can choose the technology best optimized for each type of data access.

Handbook of Research on Architectural Trends in Service-Driven Computing IGI Global

Dive into key topics in network architecture and Go, such as data serialization, application level protocols, character sets and encodings. This book covers network architecture and gives an overview of the Go language as a primer, covering the latest Go release.

Beyond the fundamentals, *Network Programming with Go* covers key networking and security issues such as HTTP and HTTPS, templates, remote procedure call (RPC), web sockets including HTML5 web sockets, and more. Additionally, author Jan Newmarch guides you in building and connecting to a complete web server based on Go. This book can serve as both as an essential learning guide and reference on Go networking. What You Will Learn Master network programming with Go Carry out data serialization Use application-level protocols Manage character sets and encodings Deal with HTTP(S) Build a complete Go-based web server Work with RPC, web sockets, and more Who This Book Is For Experienced Go programmers and other programmers

with some experience with the Go language.

Pivotal Certified Spring Web Application Developer Exam Simon and Schuster Summary Making Java Groovy is a practical handbook for developers who want to blend Groovy into their day-to-day work with Java. It starts by introducing the key differences between Java and Groovy—and how you can use them to your advantage. Then, it guides you step-by-step through realistic development challenges, from web applications to web services to desktop applications, and shows how Groovy makes them easier to put into production. About this Book You don't need the full force of Java when you're writing a build script, a simple system utility, or a lightweight web app—but

that's where Groovy shines brightest. This elegant JVM-based dynamic language extends and simplifies Java so you can concentrate on the task at hand instead of managing minute details and unnecessary complexity. Making Java Groov is a practical guide for developers who want to benefit from Groovy in their work with Java. It starts by introducing the key differences between Java and Groovy and how to use them to your advantage. Then, you'll focus on the situations you face every day, like consuming and creating RESTful web services, working with databases, and using the Spring framework. You'll also explore the great Groovy tools for build processes, testing, and deployment and learn how to write Groovy-based domain-specific languages that simplify

Java development. Written for developers familiar with Java. No Groovy experience required. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Easier Java Closures, builders, and metaprogramming Gradle for builds, Spock for testing Groovy frameworks like Grails and Griffon About the Author Ken Kousen is an independent consultant and trainer specializing in Spring, Hibernate, Groovy, and Grails. Table of Contents PART 1: UP TO SPEED WITH GROOVY Why add Groovy to Java? Groovy by example Code-level integration Using Groovy features in Java PART 2: GROOVY TOOLS Build processes Testing Groovy and Java projects PART 3: GROOVY IN THE REAL WORLD The Spring

framework Database access RESTful web services Building and testing web applications

NoSQL Distilled Apress

Learn to rapidly build and deploy cross-platform applications from a single codebase with practical, real-world solutions using the mature Delphi 10.4 programming environment Key Features Implement Delphi's modern features to build professional-grade Windows, web, mobile, and IoT applications and powerful servers Become a Delphi code and project guru by learning best practices and techniques for cross-platform development Deploy your complete end-to-end application suite anywhere Book Description Delphi is a strongly typed, event-driven programming language with a rich

ecosystem of frameworks and support tools. It comes with an extensive set of web and database libraries for rapid application development on desktop, mobile, and internet-enabled devices. This book will help you keep up with the latest IDE features and provide a sound foundation of project management and recent language enhancements to take your productivity to the next level. You'll discover how simple it is to support popular mobile device features such as sensors, cameras, and GPS. The book will help you feel comfortable working with FireMonkey and styles and incorporating 3D user interfaces in new ways. As you advance, you'll be able to build cross-platform solutions that not only look native but also take advantage of a wide array of device capabilities.

You'll also learn how to use embedded databases, such as SQLite and InterBase ToGo, synchronizing them with your own custom backend servers or modules using the powerful RAD Server engine. The book concludes by sharing tips for testing and deploying your end-to-end application suite for a smooth user experience. By the end of this book, you'll be able to deliver modern enterprise applications using Delphi confidently. What you will learn Discover the latest enhancements in the Delphi IDE Overcome the barriers that hold you back from embracing cross-platform development Become fluent with FireMonkey controls, styles, LiveBindings, and 3D objects Build Delphi packages to extend RAD Server or modularize your applications Use

FireDAC to get quick and direct access to any data Leverage IoT technologies such as Bluetooth and Beacons and learn how to put your app on a Raspberry Pi Enable remote apps with backend servers on Windows and Linux through REST APIs Develop modules for IIS and Apache web servers Who this book is for This book is for Delphi developers interested in expanding their skillset beyond Windows programming by creating professional-grade applications on multiple platforms, including Windows, Mac, iOS, Android, and back-office servers. You'll also find this book useful if you're a developer looking to upgrade your knowledge of Delphi to keep up with the latest changes and enhancements in this powerful toolset. Some Delphi programming experience is necessary to

make the most out of this book.

Pro Spring Boot Apress

Describes ways to incorporate domain modeling into software development.

Semantic Technology Apress

Build straightforward and maintainable

APIs to create services that are usable and maintainable. Although this book

focuses on distributed services, it also emphasizes how the core principles

apply even to pure OOD and OOP

constructs. The overall context of

Creating Maintainable APIs is to classify

the topics into four main areas: classes

and interfaces, HTTP REST APIs,

messaging APIs, and message payloads

(XML, JSON and JSON API as well as

Apache Avro). What You Will Learn Use

object-oriented design constructs and

their APIs Create and manage HTTP

REST APIs Build and manage maintainable messaging APIs, including the use of Apache Kafka as a principal messaging hub Handle message payloads via JSON Who This Book Is For Any level software engineers and very experienced programmers.

Aligning Enterprise, System, and Software Architectures "O'Reilly Media, Inc."

Maximize the impact of your assets and business services by providing APIs for developers and other users. The journey described in this book starts with identifying business assets. As part of the API team, you then need to identify and define the requirements of traffic management, security, mediation, and orchestration. You also must define metrics for the analytics to measure the

success of the overall API program. API documentation and the ease of developer onboarding also determine the success of the APIs. Finally, monetization of these APIs leads to revenue generation for the enterprise. Author De — an expert in building and managing API solutions — provides enterprise architects, designers, and technologists with insight into the world of APIs and the various technical aspects of building and managing an effective API management solution. API Management: Developing and Managing APIs for your Organization: Introduces the basics of APIs and highlights their value Provides an overview of technologies for building an API management solution and defines the requirements, including how to build a

RESTful API Offers design principles for building developer-friendly APIs Explains how to secure your APIs Shows how to use API analytics to measure the success of your APIs Demonstrates how to monetize APIs Finally, API Management touches on various technical nuances of creating, distributing, and managing an API. This book will not only help you learn how to design, build, deploy, and manage an API for an enterprise scale, but also generate revenue for your organization. What You'll Learn Discover the API life cycle Design and develop APIs Implement API security Test your APIs Deploy and monitor your APIs Who This Book Is For Enterprise architects, technology enthusiasts, security architects, and operations specialists. Fearless Cross-Platform Development

with Delphi "O'Reilly Media, Inc."
> Conteúdo criado por 32 pessoas com grande atuação no mercado e experiências complementares > Prefácios escritos pelos Java Champions Bruno Souza e Edson Yanaga, grandes referências no mundo Java Considerando que as empresas dependem cada vez mais de software para sobreviver e prosperar em um mercado tão competitivo e acelerado, nosso time de organizadores e coautores tem a convicção de que cada leitor será beneficiado em sua carreira com a aplicação deste suprasumo para desenvolvedores comprometidos em entregar soluções para seus clientes e sociedade. A Jornada Colaborativa é uma comunidade apaixonada por pessoas e tecnologia que escreve livros unindo

experiências diversificadas dos coautores e curadoria dos organizadores selecionados para manter o alto padrão de qualidade. Os royalties dos livros ficam reservados com a editora para ajudar na compra dos exemplares que usamos na Jornada Summit e a receita é doada para instituições carentes (doamos R\$ 137 mil para 12 instituições em 2019 e 2020). Parabenizamos a dedicação dos organizadores e coautores para concretizar esta obra e agradecemos às organizações que apoiam a Jornada Summit para transformar cada vez mais vidas. Antonio Muniz Fundador da Jornada Colaborativa e JornadaCast Bruno Kaufmann e Rodrigo Moutinho Líderes do time organizador e curadoria Coautores: Alison Medeiros Allan Rodrigo Leite

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Migrating Legacy Applications:
Challenges in Service Oriented
Architecture and Cloud Computing
Environments Springer

The recent explosion of digital media, online networking, and e-commerce has generated great new opportunities for those Internet-savvy individuals who see potential in new technologies and can turn those possibilities into reality. It is vital for such forward-thinking innovators to stay abreast of all the latest technologies. Web-Based Services: Concepts, Methodologies, Tools, and Applications provides readers with comprehensive coverage of some of the latest tools and technologies in the digital industry. The chapters in this multi-volume book describe a diverse range of applications and methodologies

made possible in a world connected by the global network, providing researchers, computer scientists, web developers, and digital experts with the latest knowledge and developments in Internet technologies.

An Architect's Guide to Developing and Managing APIs for Your Organization

Springer Science & Business Media

Over 40 recipes for creating cloud-ready Java web applications with Spring MVC
About This Book Configure Spring MVC to build logic-less controllers that transparently support the most advanced web techniques Build an amazing social and financial application that applies microservices patterns on deployment, self-testability, interoperability, cloud architectures, and scalability Fast-paced, practical guide to

learn how to set up Spring MVC to produce REST resources and templates as required by the latest front-end best practices Who This Book Is For If you are an experienced Java developer, with prior experience in web technologies, and want to step up in your career and stay up-to-date or learn more about Spring Web scalability, this book is for you. What You Will Learn Structure your project with Maven and create self-tested, domain-specific deployable web archives Generate templates for a responsive and powerful frontend with AngularJS and Bootstrap Build a high performance stateless RESTful and hypermedia application to support your multiple customer experiences Authenticate over REST with a BASIC authentication scheme and OAuth2;

handle roles and permissions Document and publish your REST API using Swagger and Swagger UI Scale your Spring web application Communicate through WebSocket and STOMP messages Provide support to your application and efficiently maintain its business features with a relevant test stack In Detail Spring MVC is a lightweight application framework that comes with a great configuration by default. Being part of the Spring Framework, it naturally extended and supported it with an amazing set of recognizable annotations. External libraries can be plugged in and plugged out. It also possesses a request flow. Complete support of REST web services makes the Spring architecture an extremely consistent choice to support

your front-end needs and Internet transformations. From the design of your Maven modules, you will achieve an Enterprise-standard for a stateless REST application based on Spring and Spring MVC with this book. This guide is unique in its style as it features a massive overview of practical development techniques brought together from the Spring ecosystem, the new JEE standards, the JavaScript revolution and Internet of Things. You will begin with the very first steps of Spring MVC's product design. Focused on deployment, viability, and maintainability, you will learn the use of Eclipse, Maven, and Git. You will walk through the separation of concerns driven by the microservices principles. Using Bootstrap and AngularJS, you will develop a responsive

front-end, capable of interacting autonomously with a REST API. Later in the book, you will setup the Java Persistence API (JPA) within Spring; learn how to configure your Entities to reflect your domain needs, and discover Spring Data repositories. You will analyze how Spring MVC responds to complex HTTP requests. You will implement Hypermedia and HATEOAS to guide your customer's stateless conversation with the product and see how a messaging-service based on WebSocket can be configured. Finally you will learn how to set up and organize different levels of automated-tests, including logging and monitoring. Style and approach A comprehensive, recipe-based guide to creating stunning Java apps with Spring MVC as a result of learning and

implementing pro-level practices, techniques, and solutions.

Testable Solutions with Arquillian

Springer Nature

Spring Microservices in Action, Second Edition teaches you to build microservice-based applications using Java and Spring. Summary By dividing large applications into separate self-contained units, Microservices are a great step toward reducing complexity and increasing flexibility. Spring Microservices in Action, Second Edition teaches you how to build microservice-based applications using Java and the Spring platform. This second edition is fully updated for the latest version of Spring, with expanded coverage of API routing with Spring Cloud Gateway, logging with the ELK stack, metrics with

Prometheus and Grafana, security with the Hashicorp Vault, and modern deployment practices with Kubernetes and Istio. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Building and deploying microservices can be easy in Spring! Libraries like Spring Boot, Spring Cloud, and Spring Cloud Gateway reduce the boilerplate code in REST-based services. They provide an effective toolbox to get your microservices up and running on both public and private clouds. About the book Spring Microservices in Action, Second Edition teaches you to build microservice-based applications using Java and Spring. You'll start by creating basic services, then move to efficient logging and

monitoring. Learn to refactor Java applications with Spring's intuitive tooling, and master API management with Spring Cloud Gateway. You'll even deploy Spring Cloud applications with AWS and Kubernetes. What's inside

Microservice design principles and best practices Configuration with Spring Cloud Config and Hashicorp Vault Client-side resiliency with Resilience4j, and Spring Cloud Load Balancer Metrics monitoring with Prometheus and Grafana Distributed tracing with Spring Cloud Sleuth, Zipkin, and ELK Stack About the reader For experienced Java and Spring developers. About the author John Carnell is a senior cloud engineer with 20 years of Java experience. Illary Huaylupo Sánchez is a software engineer with over 13 years of experience. Table

of Contents 1 Welcome to the cloud, Spring 2 Exploring the microservices world with Spring Cloud 3 Building microservices with Spring Boot 4 Welcome to Docker 5 Controlling your configuration with the Spring Cloud Configuration Server 6 On service discovery 7 When bad things happen: Resiliency patterns with Spring Cloud and Resilience4j 8 Service routing with Spring Cloud Gateway 9 Securing your microservices 10 Event-driven architecture with Spring Cloud Stream 11 Distributed tracing with Spring Cloud Sleuth and Zipkin 12 Deploying your microservices

Clojure Recipes Simon and Schuster Methods for managing complex software construction following the practices, principles and patterns of Domain-Driven

Design with code examples in C# This book presents the philosophy of Domain-Driven Design (DDD) in a down-to-earth and practical manner for experienced developers building applications for complex domains. A focus is placed on the principles and practices of decomposing a complex problem space as well as the implementation patterns and best practices for shaping a maintainable solution space. You will learn how to build effective domain models through the use of tactical patterns and how to retain their integrity by applying the strategic patterns of DDD. Full end-to-end coding examples demonstrate techniques for integrating a decomposed and distributed solution space while coding best practices and patterns advise you on how to architect

applications for maintenance and scale. Offers a thorough introduction to the philosophy of DDD for professional developers Includes masses of code and examples of concept in action that other books have only covered theoretically Covers the patterns of CQRS, Messaging, REST, Event Sourcing and Event-Driven Architectures Also ideal for Java developers who want to better understand the implementation of DDD Design, User Experience, and Usability: User Experience Design for Diverse Interaction Platforms and Environments Brasport In today's modernized environment, a growing number of software companies are changing their traditional engineering approaches in response to the rapid development of computing

technologies. As these businesses adopt modern software engineering practices, they face various challenges including the integration of current methodologies and contemporary design models and the refactoring of existing systems using advanced approaches. *Applications and Approaches to Object-Oriented Software Design: Emerging Research and Opportunities* is a pivotal reference source that provides vital research on the development of modern software practices that impact maintenance, design, and developer productivity.

While highlighting topics such as augmented reality, distributed computing, and big data processing, this publication explores the current infrastructure of software systems as well as future advancements. This book is ideally designed for software engineers, IT specialists, data scientists, business professionals, developers, researchers, students, and academicians seeking current research on contemporary software engineering methods.

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