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Agile Java Development with Spring,

Hibernate and Eclipse-Anil Hemrajani
2006-05-09 Agile Java™ Development With
Spring, Hibernate and Eclipse is a book about
robust technologies and effective methods which

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help bring simplicity back into the world of enterprise Java development. The three key technologies covered in this book, the Spring Framework, Hibernate and Eclipse, help reduce the complexity of enterprise Java development significantly. Furthermore, these technologies enable plain old Java objects (POJOs) to be deployed in light-weight containers versus heavy-handed remote objects that require heavy EJB containers. This book also extensively covers technologies such as Ant, JUnit, JSP tag libraries and touches upon other areas such as logging, GUI based debugging, monitoring using JMX, job scheduling, emailing, and more. Also, Extreme Programming (XP), Agile Model Driven Development (AMDD) and refactoring are methods that can expedite the software development projects by reducing the amount of up front requirements and design; hence these methods are embedded throughout the book but with just enough details and examples to not sidetrack the focus of this book. In addition, this book contains well separated, subjective material (opinion sidebars), comic illustrations, tips and

tricks, all of which provide real-world and practical perspectives on relevant topics. Last but not least, this book demonstrates the complete lifecycle by building and following a sample application, chapter-by-chapter, starting from conceptualization to production using the technology and processes covered in this book. In summary, by using the technologies and methods covered in this book, the reader will be able to effectively develop enterprise-class Java applications, in an agile manner!

Professional Java Development with the Spring Framework-Rod Johnson 2007-08-27

The Spring Framework is a major open source application development framework that makes Java/J2EE(TM) development easier and more productive. This book shows you not only what Spring can do but why, explaining its functionality and motivation to help you use all parts of the framework to develop successful applications. You will be guided through all the Spring features and see how they form a

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coherent whole. In turn, this will help you understand the rationale for Spring's approach, when to use Spring, and how to follow best practices. All this is illustrated with a complete sample application. When you finish the book, you will be well equipped to use Spring effectively in everything from simple Web applications to complex enterprise applications. What you will learn from this book

- * The core Inversion of Control container and the concept of Dependency Injection
- * Spring's Aspect Oriented Programming (AOP) framework and why AOP is important in J2EE development
- * How to use Spring's programmatic and declarative transaction management services effectively
- * Ways to access data using Spring's JDBC functionality, iBATIS SQL Maps, Hibernate, and other O/R mapping frameworks
- * Spring services for accessing and implementing EJBs
- * Spring's remoting framework

Who this book is for This book is for Java/J2EE architects and developers who want to gain a deeper knowledge of the Spring Framework and use it effectively. Wrox Professional guides are planned and written by

working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.

Pro Spring 3-Rob Harrop 2012-06-13 The agile, lightweight, open-source Spring Framework continues to be the de facto leading enterprise Java application development framework for today's Java programmers and developers. It works with other leading open-source, agile and lightweight Java technologies like Hibernate, Groovy, MyBatis, and more. Spring now also works with Java EE and JPA 2 as well. Pro Spring 3 updates the bestselling Pro Spring with the latest that the Spring Framework has to offer: version 3.1. At 1000 pages, this is by far the most comprehensive Spring book available, thoroughly exploring the power of Spring. With Pro Spring

3, you'll learn Spring basics and core topics, and gain access to the authors' insights and real-world experiences with remoting, Hibernate, and EJB. Beyond the basics, you'll learn how to leverage the Spring Framework to build various tiers or parts of an enterprise Java application like transactions, the web and presentations tiers, deployment, and much more. A full sample application allows you to apply many of the technologies and techniques covered in this book and see how they work together. After reading this definitive book, you'll be armed with the power of Spring to build complex Spring applications, top to bottom.

Agile Java Development with Spring, Hibernate and Eclipse-Hemrajani 2006

Getting Started with Roo-Josh Long
2011-08-15 Spring Roo goes a step beyond the Spring Framework by bringing true Rapid Application Development to Java—just as Grails

has done with Groovy. This concise introduction shows you how to build applications with Roo, using the framework's shell as an intelligent and timesaving code-completion tool. It's an ideal RAD tool because Roo does much of the tedious code maintenance. You'll get started by building a simple customer relationship management application, complete with step-by-step instructions and code examples. Learn how to control any part of the application with Roo's opt-in feature, while using this open source framework to automate the rest of the code. Set up a Spring application and working Maven build to see Roo in action Address persistence with JPA and the Neo4j graph database—and learn how Roo supports NoSQL databases Use Roo's database reverse-engineering feature to generate a data model from an existing schema Build Roo applications with Spring MVC, Spring WebFlow, Google Web Toolkit, Vaadin, and other web frameworks Secure and test your application

Pro Spring 5-Iuliana Cosmina 2017-10-11

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Master Spring basics and core topics, and share the authors' insights and real-world experiences with remoting, Hibernate, and EJB. Beyond the basics, you'll learn how to leverage the Spring Framework to build the various tiers and parts of an enterprise Java application: transactions, web and presentation tiers, deployment, and much more. A full sample application allows you to apply many of the technologies and techniques covered in Pro Spring 5 and see how they work together. This book updates the perennial bestseller with the latest that the new Spring Framework 5 has to offer. Now in its fifth edition, this popular title is by far the most comprehensive and definitive treatment of Spring available. It covers the new functional web framework and interoperability with Java 9. After reading this definitive book, you'll be armed with the power of Spring to build complex Spring applications, top to bottom. The agile, lightweight, open-source Spring Framework continues to be the de facto leading enterprise Java application development framework for today's Java programmers and developers. It

works with other leading open-source, agile, and lightweight Java technologies such as Hibernate, Groovy, MyBatis, and more. Spring now works with Java EE and JPA 2 as well. What You'll Learn Discover what's new in Spring Framework 5 Use the Spring Framework with Java 9 Master data access and transactions Work with the new functional web framework Create microservices and other web services Who This Book Is For Experienced Java and enterprise Java developers and programmers. Some experience with Spring highly recommended.

Spring 4 and Hibernate 4: Agile Java Design and Development-Amritendu De 2015-11-06

Design and develop Java-based, data-driven applications using Spring and Hibernate technology Spring 4 and Hibernate 4: Agile Java Design and Development covers real-world applications for developing a multi-tiered, object-oriented Java system using Spring 4 and Hibernate 4. An accessible reference for working with almost any data modeling scenario, the book

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considers examples of all data modeling relationships with their many variations, then covers designing, developing, and unit testing each scenario with Spring and Hibernate. With each lesson, this practical guide develops the user interface along with the presentation tier, then develops the business service tier, the data access tier, and the resource tier with the test-driven development agile approach. Covers v4 of Spring and Hibernate which have backward compatibility with earlier versions The valuable data modeling techniques presented are not available in the specification for Spring or Hibernate Ready-to-use code from the book is available for download

Modular Java-Craig Walls 2009 Provides information on developing modular applications using OSGi and the Spring Dynamic Modules.

Beginning Java and Flex-Filippo di Pisa
2010-04-02 Over the past few years, the now-

open source Adobe Flex framework has been adopted by the Java community as the preferred framework for Java rich Internet applications (RIAs) using Flash for the presentation layer. Flex helps Java developers to build and maintain expressive web/desktop applications that deploy consistently on all major browsers, desktops, and operating systems. Beginning Java and Flex describes new, simpler, and faster ways to develop enterprise RIAs. This book is not only for Java or Flex developers, but also for all web developers who want to increase their productivity and the quality of their development. The aim of the book is to teach the new frontier of web development using open source, agile, lightweight Java frameworks with Flex. Java lightweight framework programming helps Flex developers create dynamic-looking enterprise applications. Flex and Java are becoming very popular for both business and interactive applications.

Practical Spring LDAP-Balaji Varanasi

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2013-10-28 Practical Spring LDAP is your guide to developing Java-based enterprise applications using the Spring LDAP Framework. This book explains the purpose and fundamental concepts of LDAP before giving a comprehensive tour of the latest version, Spring LDAP 1.3.2. It provides a detailed treatment of LDAP controls and the new features of Spring LDAP 1.3.2 such as Object Directory Mapping and LDIF parsing. LDAP has become the de-facto standard for storing and accessing information in enterprises. Despite its widespread adoption, developers often struggle when it comes to using this technology effectively. The traditional JNDI approach has proven to be painful and has resulted in complex, less modular applications. The Spring LDAP Framework provides an ideal alternative. What you'll learn

- A simpler approach to developing enterprise applications with Spring LDAP
- Clear, working code samples with unit/integration tests
- Advanced features such as transactions and connection pooling
- A deeper look at LDAP search and out of the box filters supplied by the framework
- New features such as

Object Directory Mapping and LDIF parsing

- Detailed treatment of search controls and paged result implementation
- Helpful tips that can save time and frustration
- Who this book is for

This book is ideal for anyone with Java and Spring development experience who wants to master the intricacies of Spring LDAP.

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Pro Java EE Spring Patterns-Dhrubojyoti Kayal
2008-09-24 "The Java™ landscape is littered with libraries, tools, and specifications. What's been lacking is the expertise to fuse them into solutions to real-world problems. These patterns are the intellectual mortar for J2EE software construction." —John Vlissides, coauthor of Design Patterns: Elements of Reusable Object-Oriented Software Pro Java™ EE Spring

Patterns focuses on enterprise patterns, best practices, design strategies, and proven solutions using key Java EE technologies including JavaServer Pages™, Servlets, Enterprise JavaBeans™, and Java Message Service APIs. This Java EE patterns resource, catalog, and guide, with its patterns and numerous strategies, documents and promotes best practices for these technologies, implemented in a very pragmatic way using the Spring Framework and its counterparts. This title Introduces Java EE application design and Spring framework fundamentals Describes a catalog of patterns used across the three tiers of a typical Java EE application Provides implementation details and analyses each pattern with benefits and concerns Describes the application of these patterns in a practical application scenario

Spring Enterprise Recipes-Gary Mak

2010-08-09 The Spring framework is a widely adopted enterprise and general Java framework. The release of Spring Framework 3.0 has added

many improvements and new features for Spring development. Written by Gary Mak, author of the bestseller Spring Recipes, and Josh Long, an expert Spring user and developer, Spring Enterprise Recipes is one of the first books on Spring 3.0. This key book focuses on Spring Framework 3.0, the latest version available, and a framework-related suite of tools, extensions, plug-ins, modules, and more—all of which you may want and need for building three-tier Java EE applications. Build Spring enterprise and Java EE applications from the ground up using recipes from this book as templates to get you started, fast. Employ Spring Integration, Spring Batch and jBPM with Spring to bring your application's architecture to the next level. Use Spring's remoting, and messaging support to distribute your application, or bring your application to the cloud with GridGain and Terracotta.

Building Spring 2 Enterprise Applications-

Seth Ladd 2007-10-20 This is a brilliantly practical work that lets the reader experience a

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real-world scalable agile enterprise Java-based application being built from the ground up using the latest Spring 2.x kit available. The open source agile lightweight Spring (meta) Framework 2.x is by far the leading innovative force and "lightning rod" that's driving today's Java industry. Spring has time and time again proven itself in real-world highly scalable enterprise settings such as banks and other financial institutions. This book is the only authoritative Spring 2 authored book, as it has been written by team members of Interface21, the group that lead the Spring Foundation and its growing community.

Spring Recipes-Gary Mak 2010-12-28 The Spring framework is growing. It has always been about choice. Java EE focused on a few technologies, largely to the detriment of alternative, better solutions. When the Spring framework debuted, few would have agreed that Java EE represented the best-in-breed architectures of the day. Spring debuted to great

fanfare, because it sought to simplify Java EE. Each release since marks the introduction of new features designed to both simplify and enable solutions. With version 2.0 and later, the Spring framework started targeting multiple platforms. The framework provided services on top of existing platforms, as always, but was decoupled from the underlying platform wherever possible. Java EE is a still a major reference point, but it's not the only target. OSGi (a promising technology for modular architectures) has been a big part of the SpringSource strategy here. Additionally, the Spring framework runs on Google App Engine. With the introduction of annotation-centric frameworks and XML schemas, SpringSource has built frameworks that effectively model the domain of a specific problem, in effect creating domain-specific languages (DSLs). Frameworks built on top of the Spring framework have emerged supporting application integration, batch processing, Flex and Flash integration, GWT, OSGi, and much more.

Spring Persistence with Hibernate-Paul Fisher 2016-05-31 Learn how to use the core Hibernate APIs and tools as part of the Spring Framework. This book illustrates how these two frameworks can be best utilized. Other persistence solutions available in Spring are also shown including the Java Persistence API (JPA). Spring Persistence with Hibernate, Second Edition has been updated to cover Spring Framework version 4 and Hibernate version 5. After reading and using this book, you'll have the fundamentals to apply these persistence solutions into your own mission-critical enterprise Java applications that you build using Spring. Persistence is an important set of techniques and technologies for accessing and using data, and ensuring that data is mobile regardless of specific applications and contexts. In Java development, persistence is a key factor in enterprise, e-commerce, and other transaction-oriented applications. Today, the agile and open source Spring Framework is the leading out-of-the-box, open source solution for enterprise Java

developers; in it, you can find a number of Java persistence solutions. What You'll Learn Use Spring Persistence, including using persistence tools in Spring as well as choosing the best Java persistence frameworks outside of Spring Take advantage of Spring Framework features such as Inversion of Control (IoC), aspect-oriented programming (AOP), and more Work with Spring JDBC, use declarative transactions with Spring, and reap the benefits of a lightweight persistence strategy Harness Hibernate and integrate it into your Spring-based enterprise Java applications for transactions, data processing, and more Integrate JPA for creating a well-layered persistence tier in your enterprise Java application Who This Book Is For This book is ideal for developers interested in learning more about persistence framework options on the Java platform, as well as fundamental Spring concepts. Because the book covers several persistence frameworks, it is suitable for anyone interested in learning more about Spring or any of the frameworks covered. Lastly, this book covers advanced topics related to persistence

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architecture and design patterns, and is ideal for beginning developers looking to learn more in these areas.

Developing Java Applications with Spring and Spring Boot

Claudio Eduardo de Oliveira
2018-08-07 An end-to-end software development guide for the Java eco-system using the most advanced frameworks: Spring and Spring Boot. Learn the complete workflow by building projects and solving problems.
About This Book* Learn reactive programming by implementing a reactive application with Spring WebFlux* Create a robust and scalable messaging application with Spring messaging support* Get up-to-date with the defining characteristics of Spring Boot 2.0 in Spring Framework 5* Learn about developer tools, AMQP messaging, WebSockets, security, MongoDB data access, REST, and more* This collection of effective recipes serves as guidelines for Spring Boot application development
Who This Book Is For Java developers wanting to build production-

grade applications using the newest popular Spring tools for a rich end-to-end application development experience.
What You Will Learn*
Get to know the Spring Boot and understand how it makes creating robust applications extremely simple* Understand how Spring Data helps us add persistence in MongoDB and SQL databases* Implement a websocket to add interactive behaviors in your applications* Create powerful, production-grade applications and services with minimal fuss* Use custom metrics to track the number of messages published and consumed* Build anything from lightweight unit tests to fully running embedded web container integration tests* Learn effective testing techniques by integrating Cucumber and Spock* Use Hashicorp Consul and Netflix Eureka for dynamic Service Discovery
In Detail Spring Framework has become the most popular framework for Java development. It not only simplifies software development but also improves developer productivity. This book covers effective ways to develop robust applications in Java using Spring. The course is up made of three modules,

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each one having a take-away relating to building end-to-end java applications. The first module takes the approach of learning Spring frameworks by building applications. You will learn to build APIs and integrate them with popular frameworks such as AngularJS, Spring WebFlux, and Spring Data. You will also learn to build microservices using Spring's support for Kotlin. You will learn about the Reactive paradigm in the Spring architecture using Project Reactor. In the second module, after getting hands-on with Spring, you will learn about the most popular tool in the Spring ecosystem—Spring Boot. You will learn to build applications with Spring Boot, bundle them, and deploy them on the cloud. After learning to build applications with Spring Boot, you will be able to use various tests that are an important part of application development. We also cover the important developer tools such as AMQP messaging, websockets, security, and more. This will give you a good functional understanding of scalable development in the Spring ecosystem with Spring Boot. In the third and final module,

you will tackle the most important challenges in Java application development with Spring Boot using practical recipes. Including recipes for testing, deployment, monitoring, and securing your applications. This module will also address the functional and technical requirements for building enterprise applications. By the end of the course you will be comfortable with using Spring and Spring Boot to develop Java applications and will have mastered the intricacies of production-grade applications. A simple step-by-step guide with practical examples to help you develop and deploy Spring and Spring Boot applications in the real-world.

Spring Python 1.1—Greg Lee Turnquist
2010-05-21 The book is an introduction to Spring Python. It starts with simple practical applications, moving on to more advanced applications with two advanced case studies at the end of the book. It is packed with screenshots, examples, and ready-to-use code making it very suitable for a beginner while also

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showing tactics and concepts suitable for the most experienced developers. Each chapter starts with a simple problem to solve, and then dives into how Spring Python provides the solution with step-by-step code samples. Along the way, screenshots and diagrams are used to show critical parts of the solution. The case studies start off with a handful of use cases, and then proceed step-by-step to incrementally develop features. Some use cases are left to the reader to implement as an exercise. Key problems discovered along the way are exposed and then solved, giving the reader the chance to solve them, or to read the author's solutions. This book is for Python developers who want to take their applications to the next level, by adding/using parts that scale their application up, without adding unnecessary complexity. It is also helpful for Java developers who want to mix in some Python to speed up their coding effort.

Spring: Developing Java Applications for the Enterprise-Ravi Kant Soni 2017-02-28 Leverage

the power of Spring MVC, Spring Boot, Spring Cloud, and additional popular web frameworks. About This Book Discover key Spring Framework-related technology standards such as Spring core, Spring-AOP, Spring data access frameworks, and Spring testing to develop robust Java applications easily This course is packed with tips and tricks that demonstrate Industry best practices on developing a Spring-MVC-based application Learn how to efficiently build and implement microservices in Spring, and how to use Docker and Mesos to push the boundaries and explore new possibilities Who This Book Is For This course is intended for Java developers interested in building enterprise-level applications with Spring Framework. Prior knowledge of Java programming and web development concepts (and a basic knowledge of XML) is expected. What You Will Learn Understand the architecture of Spring Framework and how to set up the key components of the Spring Application Development Environment Configure Spring Container and manage Spring beans using XML

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and Annotation Practice Spring AOP concepts such as Aspect, Advice, Pointcut, and Introduction Integrate bean validation and custom validation Use error handling and exception resolving Get to grips with REST-based web service development and Ajax Use Spring Boot to develop microservices Find out how to avoid common pitfalls when developing microservices Get familiar with end-to-end microservices written in Spring Framework and Spring Boot In Detail This carefully designed course aims to get you started with Spring, the most widely adopted Java framework, and then goes on to more advanced topics such as building microservices using Spring Boot within Spring. With additional coverage of popular web frameworks such as Struts, WebWork, Java Server Faces, Tapestry, Docker, and Mesos, you'll have all the skills and expertise you need to build great applications. Starting with the Spring Framework architecture and setting up the key components of the Spring Application Development Environment, you will learn how to configure Spring Container and manage Spring

beans using XML and Annotation. Next, you will delve into Spring MVC, which will help you build flexible and loosely coupled web applications. You'll also get to grips with testing applications for reliability. Moving on, this course will help you implement the microservice architecture in Spring Framework, Spring Boot, and Spring Cloud. Written to the latest specifications of Spring, this book will help you build modern, Internet-scale Java applications in no time. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Learning Spring Application Development by Ravi Kant Soni Spring MVC Beginner's Guide - Second Edition by Amuthan Ganeshan Spring Microservices by Rajesh RV Style and approach This is a step-by-step guide for building a complete application and developing scalable microservices using Spring Framework, Spring Boot, and a set of Spring Cloud components

Pro Spring 2.5-Anirvan Chakraborty 2008-09-24

Pro Spring 2 is the perfect, simple answer for your lightweight, alternative Java EE development needs! Put simply, this book brings J2EE/Java EE "down to earth." Without the hassles of using the EJB 3 specification and similar, you can build lighter, better-performing agile enterprise Java-based applications using Spring Framework 2. The Spring framework can also integrate other noteworthy and hot open source tools like Apache Struts, Hibernate, OpenJPA, GlassFish, and many more. You'll work through a real, scalable enterprise application and build it from the ground up with Spring, using all the multiple web views and frameworks.

Expert One-on-One J2EE Development

without EJB-Rod Johnson 2004-06-28 What is this book about? Expert One-on-One J2EE Development without EJB shows Java developers and architects how to build robust J2EE applications without having to use Enterprise JavaBeans (EJB). This practical, code-intensive

guide provides best practices for using simpler and more effective methods and tools, including JavaServer pages, servlets, and lightweight frameworks. What does this book cover? The book begins by examining the limits of EJB technology— what it does well and not so well. Then the authors guide you through alternatives to EJB that you can use to create higher quality applications faster and at lower cost — both agile methods as well as new classes of tools that have evolved over the past few years. They then dive into the details, showing solutions based on the lightweight framework they pioneered on SourceForge — one of the most innovative open source communities. They demonstrate how to leverage practical techniques and tools, including the popular open source Spring Framework and Hibernate. This book also guides you through productive solutions to core problems, such as transaction management, persistence, remoting, and Web tier design. You will examine how these alternatives affect testing, performance, and scalability, and discover how lightweight architectures can slash

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time and effort on many projects. What will you learn from this book? Here are some details on what you'll find in this book: How to find the simplest and most maintainable architecture for your application Effective transaction management without EJB How to solve common problems in enterprise software development using AOP and Inversion of Control Web tier design and the place of the Web tier in a well-designed J2EE application Effective data access techniques for J2EE applications with JDBC, Hibernate, and JDO How to leverage open source products to improve productivity and reduce custom coding How to design for optimal performance and scalability

Google Guice-Robbie Vanbrabant 2008-07-15 Guice (pronounced "Juice") is the Jolt Award-winning, 100% Java icing on the cake of Java dependency injection. Unlike other popular dependency injection frameworks such as Spring, Guice fully embraces modern Java language features and combines simplicity with stunning

performance and developer-friendliness. Google Guice: Agile Lightweight Dependency Injection Framework will not only tell you "how," it will also tell you "why" and "why not," so that all the knowledge you gain will be as widely applicable as possible. Filled with examples and background information, this book is an invaluable addition to your knowledge of modern agile Java. Learn simple annotation-driven dependency injection, scoping and aspect-oriented programming, and why it all works the way it works Be the first to familiarize yourself with concepts that are likely to be included in a future Java EE or SE release (through JSR 299) Get things done without having to write any XML

Full Stack AngularJS for Java Developers-Ravi Kant Soni 2017-12-04 Get introduced to full stack enterprise development. Whether you are new to AngularJS and Spring RESTful web services, or you are a seasoned expert, you will be able to build a full-featured web application from scratch using AngularJS and Spring

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RESTful web services. Full stack web development is in demand because you can explore the best of different tools and frameworks and yet make your apps solid and reliable in design, scalability, robustness, and security. This book assists you in creating your own full stack development environment that includes the powerful and revamped AngularJS, and Spring REST. The architecture of modern applications is covered to prevent the development of isolated desktop and mobile applications. By the time you reach the end of this book you will have built a full-featured dynamic app. You will start your journey by setting up a Spring Boot development environment and creating your RESTful services to perform CRUD operations. Then you will migrate the front-end tools—AngularJS and Bootstrap—into your Spring Boot application to consume RESTful services. You will secure your REST API using Spring Security and consume your secured REST API using AngularJS. What You'll Learn Build a REST application with Spring Boot Expose CRUD operations using

RESTful endpoints Create a single page application by integrating Angular JS and Bootstrap in Spring Boot Secure REST APIs using Spring Security Consume secured RESTful Services using Angular JS Build a REST client using a REST template to consume RESTful services Test RESTful services using the Spring MVC Test Framework Who This Book Is For Web application developers with previous Java programming experience who want to create enterprise-grade, scalable Java apps using powerful front tools such as AngularJS and Bootstrap along with popular back-end frameworks such as Spring Boot

The Definitive Guide to Grails 2—Jeff Scott Brown 2013-02-03 Grails is a full stack framework which aims to greatly simplify the task of building serious web applications for the JVM. The concepts within Grails, like interceptors, tag libs, and Groovy Server Pages (GSP), make those in the Java community feel right at home. Grails' foundation is on solid open

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source technologies such as Spring, Hibernate, and SiteMesh, which gives it even more potential in the Java space: Spring provides powerful inversion of control and MVC, Hibernate brings a stable, mature object relational mapping technology with the ability to integrate with legacy systems, and SiteMesh handles flexible layout control and page decoration. Grails complements these with additional features that take advantage of the coding-by-convention paradigm such as dynamic tag libraries, Grails object relational mapping, Groovy Server Pages, and scaffolding. Graeme Rocher, Grails lead and founder, and Jeff Brown bring you completely up-to-date with their authoritative and fully comprehensive guide to the Grails 2 framework. You'll get to know all the core features, services, and Grails extensions via plug-ins, and understand the roles that Groovy and Grails are playing in the changing Web.

Professional Java for Web Applications-
Nicholas S. Williams 2014-03-10 The

comprehensive Wrox guide for creating Java web applications for the enterprise This guide shows Java software developers and software engineers how to build complex web applications in an enterprise environment. You'll begin with an introduction to the Java Enterprise Edition and the basic web application, then set up a development application server environment, learn about the tools used in the development process, and explore numerous Java technologies and practices. The book covers industry-standard tools and technologies, specific technologies, and underlying programming concepts. Java is an essential programming language used worldwide for both Android app development and enterprise-level corporate solutions As a step-by-step guide or a general reference, this book provides an all-in-one Java development solution Explains Java Enterprise Edition 7 and the basic web application, how to set up a development application server environment, which tools are needed during the development process, and how to apply various Java technologies Covers new language features in Java 8, such as Lambda

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Expressions, and the new Java 8 Date & Time API introduced as part of JSR 310, replacing the legacy Date and Calendar APIs Demonstrates the new, fully-duplex WebSocket web connection technology and its support in Java EE 7, allowing the reader to create rich, truly interactive web applications that can push updated data to the client automatically Instructs the reader in the configuration and use of Log4j 2.0, Spring Framework 4 (including Spring Web MVC), Hibernate Validator, RabbitMQ, Hibernate ORM, Spring Data, Hibernate Search, and Spring Security Covers application logging, JSR 340 Servlet API 3.1, JSR 245 JavaServer Pages (JSP) 2.3 (including custom tag libraries), JSR 341 Expression Language 3.0, JSR 356 WebSocket API 1.0, JSR 303/349 Bean Validation 1.1, JSR 317/338 Java Persistence API (JPA) 2.1, full-text searching with JPA, RESTful and SOAP web services, Advanced Message Queuing Protocol (AMQP), and OAuth Professional Java for Web Applications is the complete Wrox guide for software developers who are familiar with Java and who are ready to build high-level enterprise

Java web applications.

Pro Spring-Clarence Ho 2014-09-16 Pro Spring updates the perennial bestseller with the latest that the Spring Framework 4 has to offer. Now in its fourth edition, this popular book is by far the most comprehensive and definitive treatment of Spring available. With Pro Spring, you'll learn Spring basics and core topics, and share the authors' insights and real-world experiences with remoting, Hibernate, and EJB. Beyond the basics, you'll learn how to leverage the Spring Framework to build the various tiers or parts of an enterprise Java application: transactions, web and presentation tiers, deployment, and much more. A full sample application allows you to apply many of the technologies and techniques covered in this book and see how they work together. The agile, lightweight, open-source Spring Framework continues to be the de facto leading enterprise Java application development framework for today's Java programmers and developers. It works with other leading open-

source, agile, and lightweight Java technologies such as Hibernate, Groovy, MyBatis, and more. Spring now works with Java EE and JPA 2 as well. After reading this definitive book, you'll be armed with the power of Spring to build complex Spring applications, top to bottom.

Spring, Hibernate, Data Modeling, Rest and Tdd

Amritendu De 2014-12-17 Description: In this book we are developing a multi-tiered object-oriented Java web system using Spring and Hibernate. Instead of real life business requirements, we consider examples of all the relationships of data modeling. With each lesson, we develop the user interface along with the presentation tier in a nimble manner. We also develop the business service tier, the data access tier and the resource (entity) tier with the test driven development agile approach. The chapters contain detailed explanations and code fragments sufficient to get you familiarized with the development techniques. The Appendix section has the link to the entire source code

should you require reference to it. I appeal to the reader to go hands on and develop the entire code shown in the book which may aid in improving core concepts of relational database driven web application development. What you will learn: REST Architecture with support for mobile applications All the relationships of data modeling Development of user interface with JSP, JQuery, AJAX and JSON Development of mock in-memory database Design, develop and unit test the presentation tier Design, develop and unit test the business tier Design, develop and unit test the data access tier Design, develop and unit test the resource (entity) tier Popular patterns and best practices in designing a complete Spring and Hibernate based relational database driven Java web application Table of Contents: PART I: An Introduction to Data-Driven Development Chapter 1. Architecture Chapter 2. Managing a Standalone Entity PART II: Managing a One-to-One Relationship Chapter 3. One-to-One Unidirectional Relationship Chapter 4. One-to-One Bidirectional Relationship Chapter 5. One-to-One Self-Referencing Relationship

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PART III: Managing a One-to-Many Relationship
Chapter 6. One-to-Many Unidirectional Relationship
Chapter 7. One-to-Many Bidirectional Relationship
Chapter 8. One-to-Many Self-Referencing Relationship
PART IV: Managing a Many-to-Many Relationship
Chapter 9. Many-to-Many Unidirectional Relationship
Chapter 10. Many-to-Many Bidirectional Relationship
Chapter 11. Many-to-Many Bidirectional with Join Attribute Relationship
Chapter 12. Many-to-Many Self-Referencing Relationship
Chapter 13. Many-to-Many Self-Referencing with Join Attribute Relationship
PART V: Managing Inheritance Relationships
Chapter 14. Single Table Inheritance
Chapter 15. Concrete Table Inheritance
Chapter 16. Class Table Inheritance
Unique Selling Points: The techniques given in this book can be used in real-life professional projects and are not present in the specification. The code given as a download option can be used in professional projects reducing development time by 30%. Difficult to find another Java book covering how to design all the tiers of JEE application design-entity, data

access, business service and presentation. Difficult to find another Java book covering test driven development at all the tiers of the stack which is a best practice for agile projects very popular in today's market. Difficult to find another Java book covering all the relationships of data modeling which I have covered in detail. Difficult to find another Java book covering REST architecture which is popular in today's world where applications needs to support mobile view along with online view.

Spring In Action-Craig Walls And Ryan Breidenbach 2005-04-19 Spring in Action introduces you to the ideas behind Spring and then quickly launches into a hands-on exploration of the framework. Combining short code snippets and an ongoing example developed throughout the book, it shows you how to build simple and efficient J2EE applications. You will see how to solve persistence problems using the leading open-source tools, and also how to integrate your application with the most popular web

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frameworks. You will learn how to use Spring to manage the bulk of your infrastructure code so you can focus on what really matters your critical business needs. Spring in Action has been completely updated to cover the exciting new features of Spring 2.0. The book begins by introducing you to the core concepts of Spring and then quickly launches into a hands-on exploration of the framework. Part 1 - Spring Essentials Part 2 - Spring in the Business Layer Part 3 - Spring in the Web Layer

Pro Spring Dynamic Modules for OSGi

Service Platforms-Daniel Rubio 2009-03-26 Spring and OSGi's features are a natural fit; they are orthogonal to each other. The Open Services Gateway initiative (OSGi) is about packaging, deployment, and versioning issues, while Spring is about providing the necessary foundation to wire up Java classes in their most basic form using dependency injection and aspect orientation to fulfill an application's purpose. Pro Spring Dynamic Modules for OSGi™ Service

Platforms by Daniel Rubio is the first book to cover OSGi as practically implemented by the world's most popular, agile, and open-source enterprise Java framework, Spring. Covers the ease at which OSGi is used with the Spring Framework in development, packaging, versioning, and deployment. Enterprises are trusting Spring more and more, and this book leverages OSGi in a way that can "complete" the use of Spring in the enterprise, as OSGi is already being trusted and adopted by IBM, BEA, and others. The text discusses how Spring OSGi makes your Spring applications trusted SOA applications.

Spring Data-Mark Pollack 2012-10-24 You can choose several data access frameworks when building Java enterprise applications that work with relational databases. But what about big data? This hands-on introduction shows you how Spring Data makes it relatively easy to build applications across a wide range of new data access technologies such as NoSQL and Hadoop.

Through several sample projects, you'll learn how Spring Data provides a consistent programming model that retains NoSQL-specific features and capabilities, and helps you develop Hadoop applications across a wide range of use-cases such as data analysis, event stream processing, and workflow. You'll also discover the features Spring Data adds to Spring's existing JPA and JDBC support for writing RDBMS-based data access layers. Learn about Spring's template helper classes to simplify the use of database-specific functionality Explore Spring Data's repository abstraction and advanced query functionality Use Spring Data with Redis (key/value store), HBase (column-family), MongoDB (document database), and Neo4j (graph database) Discover the GemFire distributed data grid solution Export Spring Data JPA-managed entities to the Web as RESTful web services Simplify the development of HBase applications, using a lightweight object-mapping framework Build example big-data pipelines with Spring Batch and Spring Integration

Spring Persistence with Hibernate-Paul Fisher 2011-02-01 Persistence is an important set of techniques and technologies for accessing and transacting data, and ensuring that data is mobile regardless of specific applications and contexts. In Java development, persistence is a key factor in enterprise, e-commerce, and other transaction-oriented applications. Today, the Spring framework is the leading out-of-the-box solution for enterprise Java developers; in it, you can find a number of Java Persistence solutions. This book gets you rolling with fundamental Spring Framework 3 concepts and integrating persistence functionality into enterprise Java applications using Hibernate, the Java™ Persistence API (JPA) 2, and the Grails Object Relational Mapping tool, GORM. Covers core Hibernate fundamentals, demonstrating how the framework can be best utilized within a Spring application context Covers how to use and integrate JPA 2, found in the new Java EE 6 platform Covers how to integrate and use the new Grails persistence engine, GORM

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Agile Java, Design and Development-

Amritendu De 2014 La 4e de couv. indique : "In this book we are developing a multi-tiered object-oriented Java web system using Spring and Hibernate. Instead of real life business requirements, we consider examples of all the relationships of data modeling. With each lesson, we develop the user interface along with the presentation tier in a nimble manner. We also develop the business service tier, the data access tier and the resource (entity) tier with the test driven development agile approach. The chapters contain detailed explanations and code fragments sufficient to get you familiarized with the development techniques. The Appendix section has the link to the entire source code should you require reference to it. I appeal to the reader to go hands on and develop the entire code shown in the book which may aid in improving core concepts of relational database driven web application development."

Oracle Certified Master, Java Ee Enterprise Architect Practice Guide-

Amritendu De 2013-02-14 "A comprehensive guide having 300 questions on all objectives of the multiple choice exam, along with a chapter on assignment and essay exam -- Cover.

Pro Spring Batch-

Michael Minella 2011-10-13 Since its release, Spring Framework has transformed virtually every aspect of Java development including web applications, security, aspect-oriented programming, persistence, and messaging. Spring Batch, one of its newer additions, now brings the same familiar Spring idioms to batch processing. Spring Batch addresses the needs of any batch process, from the complex calculations performed in the biggest financial institutions to simple data migrations that occur with many software development projects. Pro Spring Batch is intended to answer three questions: What? What is batch processing? What does it entail? What

makes it different from the other applications we are developing? What are the challenges inherent in the development of a batch process? Why? Why do batch processing? Why can't we just process things as we get them? Why do we do batch processing differently than the web applications that we currently work on? How? How to implement a robust, scalable, distributed batch processing system using open-source frameworks Pro Spring Batch gives concrete examples of how each piece of functionality is used and why it would be used in a real-world application. This includes providing tips that the "school of hard knocks" has taught author Michael Minella during his experience with Spring Batch. Pro Spring Batch includes examples of I/O options that are not mentioned in the official user's guide, as well as performance tips on things like how to limit the impact of maintaining the state of your jobs. The author also walks you through, from end to end, the design and implementation of a batch process based upon a theoretical real-world example. This includes basic project setup,

implementation, testing, tuning and scaling for large volumes.

Continuous Delivery in Java-Daniel Bryant
2018-11-09 Continuous delivery adds enormous value to the business and the entire software delivery lifecycle, but adopting this practice means mastering new skills typically outside of a developer's comfort zone. In this practical book, Daniel Bryant and Abraham Marín-Pérez provide guidance to help experienced Java developers master skills such as architectural design, automated quality assurance, and application packaging and deployment on a variety of platforms. Not only will you learn how to create a comprehensive build pipeline for continually delivering effective software, but you'll also explore how Java application architecture and deployment platforms have affected the way we rapidly and safely deliver new software to production environments. Get advice for beginning or completing your migration to continuous delivery Design architecture to

enable the continuous delivery of Java applications Build application artifacts including fat JARs, virtual machine images, and operating system container (Docker) images Use continuous integration tooling like Jenkins, PMD, and find-sec-bugs to automate code quality checks Create a comprehensive build pipeline and design software to separate the deploy and release processes Explore why functional and system quality attribute testing is vital from development to delivery Learn how to effectively build and test applications locally and observe your system while it runs in production

Cloud Native Java-Josh Long 2017-08-11 What separates the traditional enterprise from the likes of Amazon, Netflix, and Etsy? Those companies have refined the art of cloud native development to maintain their competitive edge and stay well ahead of the competition. This practical guide shows Java/JVM developers how to build better software, faster, using Spring Boot, Spring Cloud, and Cloud Foundry. Many

organizations have already waded into cloud computing, test-driven development, microservices, and continuous integration and delivery. Authors Josh Long and Kenny Bastani fully immerse you in the tools and methodologies that will help you transform your legacy application into one that is genuinely cloud native. In four sections, this book takes you through: The Basics: learn the motivations behind cloud native thinking; configure and test a Spring Boot application; and move your legacy application to the cloud Web Services: build HTTP and RESTful services with Spring; route requests in your distributed system; and build edge services closer to the data Data Integration: manage your data with Spring Data, and integrate distributed services with Spring's support for event-driven, messaging-centric architectures Production: make your system observable; use service brokers to connect stateful services; and understand the big ideas behind continuous delivery

Spring Integration in Action-Mark Fisher
2012 "Spring Integration in Action" is a hands-on guide to Spring-based messaging and integration. Readers explore real-world enterprise integration scenarios using JMS, Web Services, file systems, and e-mail.

Learn Spring for Android Application Development-S. M. Mohi Us Sunnat 2019-01-31
A hands-on guide to Android programming with Spring MVC, Spring Boot, and Spring Security Key Features Build native Android applications with Spring for Android Explore Reactive programming, concurrency, and multithreading paradigms for building fast and efficient applications Write more expressive and robust code with Kotlin using its coroutines and other latest features Book Description As the new official language for Android, Kotlin is attracting new as well as existing Android developers. As most developers are still working with Java and want to switch to Kotlin, they find a combination of these two appealing. This book addresses this

interest by bringing together Spring, a widely used Java SE framework for building enterprise-grade applications, and Kotlin. Learn Spring for Android Application Development will guide you in leveraging some of the powerful modules of the Spring Framework to build lightweight and robust Android apps using Kotlin. You will work with various modules, such as Spring AOP, Dependency Injection, and Inversion of Control, to develop applications with better dependency management. You'll also explore other modules of the Spring Framework, such as Spring MVC, Spring Boot, and Spring Security. Each chapter has practice exercises at the end for you to assess your learning. By the end of the book, you will be fully equipped to develop Android applications with Spring technologies. What you will learn Get to grips with the basics of the Spring Framework Write web applications using the Spring Framework with Kotlin Develop Android apps with Kotlin Connect a RESTful web service with your app using Retrofit Understand JDBC, JPA, MySQL for Spring and SQLite Room for Android Explore Spring Security

fundamentals, Basic Authentication, and OAuth2
Delve into Concurrency and Reactive
programming using Kotlin Develop testable
applications with Spring and Android Who this
book is for If you're an aspiring Android
developer or an existing developer who wants to
learn how to use Spring to build robust Android
applications in Kotlin, this book is for you.
Though not necessary, basic knowledge of Spring
will assist with understanding key concepts
covered in this book.

Software Engineering for Agile Application Development

Pang, Chung-Yeung 2020-02-14
As the software industry continues to evolve,
professionals are continually searching for
practices that can assist with the various
problems and challenges in information
technology (IT). Agile development has become a
popular method of research in recent years due
to its focus on adapting to change. There are
many factors that play into this process, so
success is no guarantee. However, combining

agile development with other software
engineering practices could lead to a high rate of
success in problems that arise during the
maintenance and development of computing
technologies. Software Engineering for Agile
Application Development is a collection of
innovative research on the methods and
implementation of adaptation practices in
software development that improve the quality
and performance of IT products. The presented
materials combine theories from current
empirical research results as well as practical
experiences from real projects that provide
insights into incorporating agile qualities into the
architecture of the software so that the product
adapts to changes and is easy to maintain. While
highlighting topics including continuous
integration, configuration management, and
business modeling, this book is ideally designed
for software engineers, software developers,
engineers, project managers, IT specialists, data
scientists, computer science professionals,
researchers, students, and academics.

Learn Microservices with Spring Boot-Moises Macero 2017-12-08 Build a microservices architecture with Spring Boot, by evolving an application from a small monolith to an event-driven architecture composed of several services. This book follows an incremental approach to teach microservice structure, test-driven development, Eureka, Ribbon, Zuul, and end-to-end tests with Cucumber. Author Moises Macero follows a very pragmatic approach to explain the benefits of using this type of software architecture, instead of keeping you distracted with theoretical concepts. He covers some of the state-of-the-art techniques in computer programming, from a practical point of view. You'll focus on what's important, starting with the minimum viable product but keeping the flexibility to evolve it. What You'll Learn Build microservices with Spring Boot Use event-driven architecture and messaging with RabbitMQ Create RESTful services with Spring Master

service discovery with Eureka and load balancing with Ribbon Route requests with Zuul as your API gateway Write end-to-end rests for an event-driven architecture using Cucumber Carry out continuous integration and deployment Who This Book Is For Those with at least some prior experience with Java programming. Some prior exposure to Spring Boot recommended but not required.

Agile Development with ICONIX Process-Don Rosenberg 2006-11-22 *Describes an agile process that works on large projects *Ideal for hurried developers who want to develop software in teams *Incorporates real-life C#/.NET web project; can compare this with cases in book