

## Rod Johnson

Rod Johnson is an enterprise Java architect specializing in scalable web applications. He has worked with both Java and J2EE since their release, and he is a member of JSR 154 Expert Group defining the Servlet 2.4 specification.



expert one-on-one

# J2EE™ Design and Development



# Expert One On One J2ee Design And Development

**Fangli Zheng**



## **Expert One On One J2ee Design And Development:**

**Expert One-on-One J2EE Design and Development** Rod Johnson,2004-08-04 What is this book about The results of using J2EE in practice are often disappointing applications are often slow unduly complex and take too long to develop Rod Johnson believes that the problem lies not in J2EE itself but in that it is often used badly Many J2EE publications advocate approaches that while fine in theory often fail in reality or deliver no real business value Expert One on One J2EE Design and Development aims to demystify J2EE development Using a practical focus it shows how to use J2EE technologies to reduce rather than increase complexity Rod draws on his experience of designing successful high volume J2EE applications and salvaging failing projects as well as intimate knowledge of the J2EE specifications to offer a real world how to guide on how you too can make J2EE work in practice It will help you to solve common problems with J2EE and avoid the expensive mistakes often made in J2EE projects It will guide you through the complexity of the J2EE services and APIs to enable you to build the simplest possible solution on time and on budget Rod takes a practical pragmatic approach questioning J2EE orthodoxy where it has failed to deliver results in practice and instead suggesting effective proven approaches What does this book cover In this book you will learn When to use a distributed architecture When and how to use EJB How to develop an efficient data access strategy How to design a clean and maintainable web interface How to design J2EE applications for performance Who is this book for This book would be of value to most enterprise developers Although some of the discussion for example on performance and scalability would be most relevant to architects and lead developers the practical focus would make it useful to anyone with some familiarity with J2EE Because of the complete design deployment coverage a less advanced developer could work through the book along with a more introductory text and successfully build and understand the sample application This comprehensive coverage would also be useful to developers in smaller organisations who might be called upon to fill several normally distinct roles What is special about this book Wondering what differentiates this book from others like it in the market Take a look It does not just discuss technology but stress its practical application The book is driven from the need to solve common tasks rather than by the elements of J2EE It discuss risks in J2EE development It takes the reader through the entire design development and build process of a non trivial application This wouldn t be compressed into one or two chapters like the Java Pet Store but would be a realistic example comparable to the complexity of applications readers would need to build At each point in the design alternative choices would be discussed This would be important both where there s a real problem with the obvious alternative and where the obvious alternatives are perhaps equally valid It emphasizes the use of OO design and design patterns in J2EE without becoming a theoretical book [Beginning Spring 6](#) Joseph B. Ottinger,Andrew Lombardi,2024-02-29 This book will teach you how to use the Spring Framework to build Java based applications web applications and microservices Aimed at beginners it has been revised and expanded to reflect the latest features and best practices for Spring 6 Authors Joseph Ottinger and Andrew Lombardi will get you started using

Spring Framework 6 and its ecosystem walking you through all the best practices in modern application development You ll see how Spring has drastically and positively affected the way applications are designed and programmed in Java and how to build apps with the Spring mindset Along the way you will learn many aspects of the Spring ecosystem with easy to understand applications designed to teach you not only the technology but also the practices that benefit the most from Spring Starting with the basics you ll learn gradually including topics such as the configuration and declaration of beans the application lifecycle how to deploy a Spring application into a Java EE application Spring Reactive Spring Web Spring Boot and Spring Cloud After completing this book you ll be prepared to develop your own scalable modular Spring based applications What You Will Learn Discover the most common use cases encountered in the real world Learn the proper way of testing with the Spring framework Create reliable modular software Build skills that will translate well across all languages and environments Integrate and use data access and persistence frameworks such as Hibernate JPA and MongoDB Get started with the most common most used Spring features Who This Book Is For Those who are new to Spring or for those who have experience with Spring but want to learn what s new in Spring 6 This book assumes you have some prior coding experience in Java but many core concepts in Java are discussed as they re encountered Beginning Spring 5 Joseph B. Ottinger, Andrew Lombardi, 2019-09-06 Get started with Spring Framework 5 and its ecosystem with a guide to the working practices in modern development Authors Joseph Ottinger and Andrew Lombardi will teach you how to use the Spring Framework to build Java based applications web applications and microservices You ll see how Spring has drastically and positively affected the way we program and design applications in Java Beginning Spring 5 discusses how you can build apps with the Spring mindset and what the benefits of that mindset are Along the way you will learn many aspects of the Spring ecosystem with easy to understand applications designed to teach you not only the technology but also the practices that benefit the most from Spring What You Will Learn Discover the most common use cases encountered in the real world Create reliable tested modular software building skills that will translate well across all languages and environments Integrate and use data access and persistence frameworks such as Hibernate JPA and MongoDB Program functional or reactive Java with the latest Spring 5 features including WebFlux Who This Book Is For Those who are new to Spring or for those who have experience with Spring but want to learn what s new in Spring 5 This book assumes you have some prior coding experience in Java at least Biotechnology, Agriculture, Environment and Energy Fangli Zheng, 2014-11-18 The 2014 International Conference on Biotechnology Agriculture Environment and Energy ICBAEE 2014 was held May 22 23 2014 in Beijing China The objective of ICBAEE 2014 was to provide a platform for researchers engineers academics as well as industry professionals from all over the world to present their research results and development activities in Biotechnology Agriculture Environment and Energy This conference provided opportunities for the delegates to exchange new ideas and application experiences face to face to establish business or research relations and to find global partners for future

collaboration The program consisted of invited sessions and technical workshops and discussions with eminent speakers and contributions to this proceedings volume cover a wide range of topics in Biotechnology Agriculture Environment and Energy

**Expert One-on-One J2EE Development without EJB** Rod Johnson,2004-06-14 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 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

**Rapid J2EE Development** Alan Monnox,2005 The J2EE developer s practical introduction and cookbook to cost saving software engineering solutions **Beginning JavaScript** Paul Wilton,2004-05-07 Assuming a familiarity with HTML this guide explains how to manage complex data with objects in the JavaScript language manipulate strings locate syntax and logical errors use cookies jazz up web pages with Dynamic HTML and insert server side scripting into a web page using active server pages ASP A sample online trivia quiz application running throughout the book ties the concepts together Annotation 2004 Book News Inc Portland OR booknews com **Dr. Dobb's Journal of Software Tools for the**

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complete integrated Java development environment with help from this comprehensive real world resource Many chapters contain hands on practices and source code examples reinforcing vital concepts It s all here from the nuts and bolts of J2EE applications servlets and JavaServer Pages technology to advanced development using the Oracle Application Development Framework From the exclusive publishers of Oracle Press books Oracle JDeveloper 10g Handbook will have you developing Java based applications in no time **Dr. Dobb's Journal** ,2005 *Sql Server 2000 Programming* Vieira,2004 Spring Bruce Tate,Justin Gehtland,Michael Kosta Loukides,2005-04-10 This no nonsense book quickly gets readers up to speed on the new Spring open source framework Favouring examples and practical application over theory Spring A Developer s Notebook features 10 code intensive labs that reveal the many assets of this revolutionary lightweight architecture **No Fluff, Just Stuff Anthology** Neal Ford,2006 A traveling conference series for software developers that visits 27 cities a year staging over 75 symposia throughout the U S and Canada No Fluff Just Stuff now makes the seminar s high quality technical presentations available in print for the first time **The British National Bibliography** Arthur James Wells,2006

**Encyclopedia of Internet Technologies and Applications** Mário Marques Freire,Manuela Periera,2008 This book is the single source for information on the world s greatest network and provides a wealth of information for the average Internet consumer as well as for experts in the field of networking and Internet technologies It provides the most thorough examination of Internet technologies and applications for researchers in a variety of related fields Provided by publisher

*Books in Print Supplement* ,2002 **ECOOP ...** ,2005 American Book Publishing Record ,2003 **Professional Java Development with the Spring Framework** Rod Johnson,2005-07-08 The Spring Framework is a major open source application development framework that makes Java J2EE 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 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

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ohm s law  $v = i \times r$  here  $v$  is for voltage measured in volts  $v$   $i$  is for current measured in amperes  $a$  and  $r$  is for resistance  
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