

Read Free The Java Ee Architects Handbook
Second Edition How To Be A Successful
Application Architect For Applications Kindle
Derek Ashmore

The Java Ee Architects Handbook Second Edition How To Be A Successful Application Architect For Applications Kindle Derek Ashmore

The demand for modern and high performing web enterprise applications is growing rapidly. No more is a basic HTML front-end enough to meet customer demands. This book will be your one stop guide to build outstanding enterprise web applications with Java EE and Angular. It will teach you how to harness the power of Java EE to build sturdy back ...

Java SOA Cookbook offers practical solutions and advice to programmers charged with implementing a service-oriented architecture (SOA) in their organization. Instead of providing another conceptual, high-level view of SOA, this cookbook shows you how to make SOA work. It's full of Java and XML code you can insert directly into your applications and recipes you can apply right away. The book focuses primarily on the use of free and open source Java Web Services technologies -- including Java SE 6 and Java EE 5 tools -- but you'll find tips for using commercially available tools as well. Java SOA Cookbook will help you: Construct XML vocabularies and data models appropriate to

SOA applications Build real-world web services using the latest Java standards, including JAX-WS 2.1 and JAX-RS 1.0 for RESTful web services

Integrate applications from popular service providers using SOAP, POX, and Atom Create service orchestrations with complete coverage of the WS-BPEL (Business Process Execution Language) 2.0 standard Improve the reliability of SOAP-based services with specifications such as WS-Reliable Messaging Deal with governance, interoperability, and quality-of-service issues The recipes in Java SOA Cookbook will equip you with the knowledge you need to approach SOA as an integration challenge, not an obstacle.

This handbook is a concise guide to architecting, designing and building J2EE applications. This handbook will guide the technical architect through the entire J2EE project including identifying business requirements, performing use-case analysis, object and data modeling, and guiding a development team during construction. Whether you are about to architect your first J2EE application or are looking for ways to keep your projects on-time and on-budget, you will refer to this handbook again and again. The practice of enterprise application development has benefited from the emergence of many new enabling technologies. Multi-tiered object-oriented platforms, such as Java and .NET, have become commonplace. These new tools and technologies

are capable of building powerful applications, but they are not easily implemented. Common failures in enterprise applications often occur because their developers do not understand the architectural lessons that experienced object developers have learned. Patterns of Enterprise Application Architecture is written in direct response to the stiff challenges that face enterprise application developers. The author, noted object-oriented designer Martin Fowler, noticed that despite changes in technology--from Smalltalk to CORBA to Java to .NET--the same basic design ideas can be adapted and applied to solve common problems. With the help of an expert group of contributors, Martin distills over forty recurring solutions into patterns. The result is an indispensable handbook of solutions that are applicable to any enterprise application platform. This book is actually two books in one. The first section is a short tutorial on developing enterprise applications, which you can read from start to finish to understand the scope of the book's lessons. The next section, the bulk of the book, is a detailed reference to the patterns themselves. Each pattern provides usage and implementation information, as well as detailed code examples in Java or C#. The entire book is also richly illustrated with UML diagrams to further explain the concepts. Armed with this book, you will have the knowledge necessary to make important architectural decisions about

building an enterprise application and the proven patterns for use when building them. The topics covered include

- Dividing an enterprise application into layers
- The major approaches to organizing business logic
- An in-depth treatment of mapping between objects and relational databases
- Using Model-View-Controller to organize a Web presentation
- Handling concurrency for data that spans multiple transactions
- Designing distributed object interfaces

Coding and testing are often considered separate areas of expertise. In this comprehensive guide, author and Java expert Scott Oaks takes the approach that anyone who works with Java should be equally adept at understanding how code behaves in the JVM, as well as the tunings likely to help its performance. You'll gain in-depth knowledge of Java application performance, using the Java Virtual Machine (JVM) and the Java platform, including the language and API. Developers and performance engineers alike will learn a variety of features, tools, and processes for improving the way Java 7 and 8 applications perform. Apply four principles for obtaining the best results from performance testing Use JDK tools to collect data on how a Java application is performing Understand the advantages and disadvantages of using a JIT compiler Tune JVM garbage collectors to affect programs as little as possible Use techniques to

manage heap memory and JVM native memory
Maximize Java threading and synchronization
performance features Tackle performance issues in
Java EE and Java SE APIs Improve Java-driven
database application performance

Following her widely acclaimed Autobiography of
Red ("A spellbinding achievement" --Susan Sontag),
a new collection of poetry and prose that displays
Anne Carson's signature mixture of opposites--the
classic and the modern, cinema and print, narrative
and verse. In *Men in the Off Hours*, Carson reinvents
figures as diverse as Oedipus, Emily Dickinson, and
Audubon. She views the writings of Sappho, St.
Augustine, and Catullus through a modern lens. She
sets up startling juxtapositions (Lazarus among
video paraphernalia; Virginia Woolf and Thucydides
discussing war). And in a final prose poem, she
meditates on the recent death of her mother. With its
quiet, acute spirituality, its fearless wit and
sensuality, and its joyful understanding that "the fact
of the matter for humans is imperfection," *Men in the
Off Hours* shows us "the most exciting poet writing in
English today" (Michael Ondaatje) at her best. From
the Hardcover edition.

Get up to speed on the principal technologies in the
Java Platform, Enterprise Edition 7, and learn how
the latest version embraces HTML5, focuses on
higher productivity, and provides functionality to
meet enterprise demands. Written by Arun Gupta, a

key member of the Java EE team, this book provides a chapter-by-chapter survey of several Java EE 7 specifications, including WebSockets, Batch Processing, RESTful Web Services, and Java Message Service. You'll also get self-paced instructions for building an end-to-end application with many of the technologies described in the book, which will help you understand the design patterns vital to Java EE development. Understand the key components of the Java EE platform, with easy-to-understand explanations and extensive code samples Examine all the new components that have been added to Java EE 7 platform, such as WebSockets, JSON, Batch, and Concurrency Learn about RESTful Web Services, SOAP XML-based messaging protocol, and Java Message Service Explore Enterprise JavaBeans, Contexts and Dependency Injection, and the Java Persistence API Discover how different components were updated from Java EE 6 to Java EE 7

Oracle Certified Master, Java Enterprise Architect Java EE 7 Certification Guide is a practical hands on guide for those looking to achieve the Master certification. It deals with the different technological aspects necessary to prop up the understanding of the aspirants and help them achieve a rich conceptual understanding of the latest Java Platform, Enterprise Edition. It enhances their exam readiness by focusing on the most important

categories defined by certification program at Oracle.

The contents cater to the following categories recommended by Oracle in detail with specific references to the different parts of the exams:

Architectural fundamentals Web tier components

Business tier components Web services Messaging

and integration Security Architectural artifacts

Design and architectural Patterns The book is

replete with examples and references to functional and non-functional aspects of using enterprise Java platform for application development. Detailed

information on each of the major aspects of the

certification examination is covered , including conceptual explanations, examples, code snippets,

comparisons with the alternative technologies,

communications, protocols, etc. The book is

accompanied by additional resources available on the source code site, which cover the most up-to-

date information on all aspects of the certification examination, including FAQ, mock tests with

answers, and some additional tests for preparation.

What you'll learn Core aspects of technologies,

specifications, communication protocols, libraries

and APIs involved in Java EE technology. Selecting

security technology at different layers of architecture.

Understanding GOF and J2EE patterns and applying

them given a situation Who this book is for Java EE

7 certification aspirants, senior Java application

developers, web application developers, and Java

architects. The book also will help Java enthusiasts at various levels to understand technologies at conceptual as well as application level. Students of computer science and information technology at the post-graduate level will also be able to understand and appreciate the technology of Java Enterprise Edition.

Summary Spring in Practice shows you how to tackle the challenges you face when you build Spring-based applications. The book empowers software developers to solve concrete business problems by mapping application-level issues to Spring-centric solutions. It diverges from other cookbooks because it presents the background you need to understand the domain in which a solution applies before it offers the specific steps to solve the problem. About this Book Spring in Practice covers 66 Spring development techniques and the practical issues you will encounter when using them. The book starts with three carefully crafted introductory chapters to get you up to speed on the fundamentals. And then, the core of the book takes you step-by-step through the important, practical techniques you will use no matter what type of application you're building. You'll hone your Spring skills with examples on user accounts, security, NoSQL data stores, and application integration. Along the way, you'll explore Spring-based approaches to domain-specific challenges like CRM, configuration management, and site reliability. What's Inside Covers Spring 3 Successful outcomes with integration testing Dozens of web app techniques using Spring MVC Practical examples and real-world context How to work effectively with data Each technique highlights something new or interesting about Spring and focuses on that concept in detail. This book

Read Free The Java Ee Architects Handbook Second Edition How To Be A Successful

Application Architect For Applications Kindle

Parok Ashmore

assumes you have a good foundation in Java and Java EE.

Prior exposure to Spring Framework is helpful but not required. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

About the Authors Willie Wheeler is a Principal Applications Engineer with 16 years of experience in Java/Java EE and Spring Framework. Joshua White is a Solutions Architect in the financial and health services industries. He has worked

with Spring Framework since its inception in 2002. Table of Contents

Introducing Spring: the dependency injection container Data persistence, ORM, and transactions Building

web applications with Spring Web MVC Basic web forms

Enhancing Spring MVC applications with Web Flow

Authenticating users Authorizing user requests

Communicating with users and customers Creating a rich-text comment engine Integration testing Building a configuration

management database Building an article-delivery engine

Enterprise integration Creating a Spring-based "site-up" framework

Real World Java EE Patterns - Rethinking Best Practices

(<http://realworldpatterns.com>) discusses patterns and best practices in a structured way, with code from real world

projects. The rewritten and re-edited version of this book

covers: an introduction into the core principles and APIs of Java EE 6, principles of transactions, isolation levels, CAP

and BASE, remoting, pragmatic modularization and structure of Java EE applications, discussion of superfluous patterns

and outdated best practices, patterns for domain driven and service oriented components, custom scopes, asynchronous

processing and parallelization, real time HTTP events, schedulers, REST optimizations, plugins and monitoring

tools, and fully functional JCA 1.6 implementation. Real World Java EE Patterns--Rethinking Best Practices will not only help

experienced developers and architects to write concise code,

Read Free The Java Ee Architects Handbook Second Edition How To Be A Successful Application Architect For Applications Kindle Derek Ashmore

but especially help you to shrink the codebase to unbelievably small sizes: -).

Definitive, Comprehensive SCEA Exam Prep—Straight from Sun’s Exam Developers! This book delivers complete, focused review for Sun’s new Sun Certified Enterprise Architect (SCEA) for Java EE certification exam—straight from two of the exam’s creators! SCEA lead developer/assessor Mark Cade and SCEA lead developer/assessor Humphrey Sheil offer powerful insights, real-world architectural case studies, and challenging sample questions that systematically prepare you for the actual exam. For every question, the authors show why the right answers are right—and why the other answers are wrong. Cade and Sheil cover every SCEA exam topic, skill, and technique, including:

- Understanding system architecture and its goals
- Decomposing larger systems into components organized by tiers or layers
- Addressing requirements for scalability, maintainability, reliability, availability, extensibility, performance, and security
- Building effective web (presentation) tiers, and analyzing tradeoffs associated with using web frameworks
- Leveraging EJB 3’s enhancements for business tier development
- Covering new enhancements in the JEE 5 platform
- Choosing and architecting the best integration and messaging components for your system
- Using the Java security model to enforce confidentiality, integrity, authorization, authentication, and non-repudiation
- Using the most powerful and useful Java EE architecture patterns
- Documenting Java EE architectures through visual models and narratives

The authors also present detailed guidance for handling every element of the SCEA exam—including your development and defense of a complete real-world architectural solution.

The Practitioner’s Guide to Implementing SOA with Java EE Technologies This book brings together all the practical insight you need to successfully architect enterprise solutions

Read Free The Java Ee Architects Handbook Second Edition How To Be A Successful

Application Architect For Applications Kindle
Derek Ashmore

and implement them using SOA and Java EE technologies. Writing for senior IT developers, strategists, and enterprise architects, the authors cover everything from concepts to implementation, requirements to tools. The authors first review the Java EE platform's essential elements in the context of SOA and web services deployment, and demonstrate how Java EE has evolved into the world's best open source solution for enterprise SOA. After discussing standards such as SOAP, WSDL, and UDDI, they walk through implementing each key aspect of SOA with Java EE. Step by step, you'll learn how to integrate service-oriented web and business components of Java EE technologies with the help of process-oriented standards such as BPEL/CDL into a coherent, tiered enterprise architecture that can deliver a full spectrum of business services. Implementing SOA Using Java™ EE concludes with a section-length case study that walks through analyzing a company's requirements, creating an effective SOA architecture, and building a concise proof-of-concept prototype with NetBeans IDE. Coverage includes Using Java EE technologies to simplify SOA implementation Mastering messaging, service descriptions, registries, orchestration, choreography, and other essential SOA concepts Building an advanced web services infrastructure for implementing SOA Using Java Persistence API to provide for persistence Getting started with Java Business Integration (JBI), the new open specification for delivering SOA Implementing SOA at the web and business tiers Developing, configuring, and deploying SOA systems with NetBeans IDE Constructing SOA systems with NetBeans SOA Pack

The Definitive Guide to Java Platform, Enterprise Edition 7
Java EE 7: The Big Picture uniquely explores the entire Java EE 7 platform in an all-encompassing style while examining each tier of the platform in enough detail so that you can

Read Free The Java Ee Architects Handbook Second Edition How To Be A Successful

Application Architect For Applications Kindle
Derek Ashmore

select the right technologies for specific project needs. In this authoritative guide, Java expert Danny Coward walks you through the code, applications, and frameworks that power the platform. Take full advantage of the robust capabilities of Java EE 7, increase your productivity, and meet enterprise demands with help from this Oracle Press resource. Explore the features of the Java servlet model and Java servlet API Create dynamic web content with JavaServer Pages and JavaServer Faces Build websites for nonbrowser clients with JAX-RS Push data to web clients using Java WebSockets Secure web applications Work with web component APIs Maximize enterprise beans for multithreading, asynchronous processes, transactions, and more Access relational databases with the Java Database Connectivity APIs and the Java Persistence API Understand the packaging and deployment mechanisms of Java EE applications Work with Java EE Contexts and Dependency Injection Secure enterprise beans in a Java EE application Enable parallel processing with Java EE concurrency APIs

“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 counters. This title Introduces Java EE application design and Spring

Read Free The Java Ee Architects Handbook Second Edition How To Be A Successful

Application Architect For Applications Kindle
Derek Ashmore

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

The Third Edition of Michael Doyle's classic Color Drawing remains the ultimate up-to-date resource for professionals and students who need to develop and communicate design ideas with clear, attractive, impressive color drawings. Update with over 100 pages, this Third Edition contains an entirely new section focused on state-of-the-art digital techniques to greatly enhance the sophistication of presentation drawings, and offers new and innovative ideas for the reproduction and distribution of finished drawings. Color Drawing, Third Edition Features: * A complete body of illustrated instructions demonstrating drawing development from initial concept through final presentation * Finely honed explanations of each technique and process * Faster and easier ways to create design drawings * Over 100 new pages demonstrating methods for combining hand-drawn and computer-generated drawing techniques Step-by-step, easy-to-follow images will lead you through digital techniques to quickly and easily enhance your presentation drawings.

Summary Enterprise Java Microservices is an example-rich tutorial that shows how to design and manage large-scale Java applications as a collection of microservices. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Large applications are easier to develop and maintain when you build them from small, simple components. Java developers now enjoy a wide range of tools that support microservices application development, including right-sized app servers, open source frameworks, and well-defined patterns. Best of all, you can build

Read Free The Java Ee Architects Handbook Second Edition How To Be A Successful

Application Architect For Applications Kindle
Derek Asmose

microservices applications using your existing Java skills.

About the Book Enterprise Java Microservices teaches you to design and build JVM-based microservices applications.

You'll start by learning how microservices designs compare to traditional Java EE applications. Always practical, author Ken Finnigan introduces big-picture concepts along with the tools and techniques you'll need to implement them. You'll discover ecosystem components like Netflix Hystrix for fault tolerance and master the Just enough Application Server (JeAS) approach. To ensure smooth operations, you'll also examine monitoring, security, testing, and deploying to the cloud.

What's inside The microservices mental model Cloud-native development Strategies for fault tolerance and monitoring

Securing your finished applications About the Reader This

book is for Java developers familiar with Java EE. About the Author Ken Finnigan leads the Thorntail project at Red Hat, which seeks to make developing microservices for the cloud with Java and Java EE as easy as possible. Table of

Contents PART 1 MICROSERVICES BASICS Enterprise

Java microservices Developing a simple RESTful

microservice Just enough Application Server for

microservices Microservices testing Cloud native

development PART 2 - IMPLEMENTING ENTERPRISE

JAVA MICROSERVICES Consuming microservices

Discovering microservices for consumption Strategies for fault tolerance and monitoring Securing a microservice

Architecting a microservice hybrid Data streaming with

Apache Kafka

A Complete Study System for OCM Exams 1Z0-807,

1Z0-865, and 1Z0-866 Prepare for the Oracle

Certified Master Java EE 6 Enterprise Architect

exams with this exclusive Oracle Press guide. The

multiple-choice exam, the assignment, and the

essay exam are covered. Chapters feature challenging exercises, a certification summary, a two-minute drill, and a self-test to reinforce the topics presented. This authoritative resource helps you pass these exams and also serves as an essential, on-the-job reference. Get complete coverage of all exam objectives, including: Application design concepts and principles Common architectures Integration and messaging Business-tier technologies Web-tier technologies Design patterns Security Electronic content includes: 120 multiple-choice practice exam questions Test engine that provides practice exams and customized quizzes by chapter

Helps readers understand the goals of system architecture, design patterns, identify the appropriate J2EE technologies and APIs, maximize security and scalability, and evaluate existing architectures.

Taking architects through the entire development process, this book provides guidance on how to effectively design service contracts, and covers coding patterns in detail that are needed to make microservice libraries effective with code examples along the way. --

Master Java EE design pattern implementation to improve your design skills and your application's architecture Professional Java EE Design Patterns is the perfect companion for anyone who wants to work more effectively with JavaEE, and the only resource

that covers both the theory and application of design patterns in solving real-world problems. The authors guide readers through both the fundamental and advanced features of Java EE 7, presenting patterns throughout, and demonstrating how they are used in day-to-day problem solving. As the most popular programming language in community-driven enterprise software, Java EE provides an API and runtime environment that is a superset of Java SE. Written for the junior and experienced Java EE developer seeking to improve design quality and effectiveness, the book covers areas including:

- Implementation and problem-solving with design patterns
- Connection between existing Java SE design patterns and new Java EE concepts
- Harnessing the power of Java EE in design patterns
- Individually-based focus that fully explores each pattern
- Colorful war-stories showing how patterns were used in the field to solve real-life problems

Unlike most Java EE books that simply offer descriptions or recipes, this book drives home the implementation of the pattern to real problems to ensure that the reader learns how the patterns should be used and to be aware of their pitfalls. For the programmer looking for a comprehensive guide that is actually useful in the everyday workflow, Professional Java EE Design Patterns is the definitive resource on the market.

The Java EE 7 Tutorial: Volume 2, Fifth Edition, is a

task-oriented, example-driven guide to developing enterprise applications for the Java Platform, Enterprise Edition 7 (Java EE 7). Written by members of the Java EE documentation team at Oracle, this book provides new and intermediate Java programmers with a deep understanding of the platform. This guide includes descriptions of platform features and provides instructions for using the latest versions of NetBeans IDE and GlassFish Server Open Source Edition. The book introduces Enterprise JavaBeans components, the Java Persistence API, the Java Message Service (JMS) API, Java EE security, transactions, resource adapters, Java EE Interceptors, Batch Applications for the Java Platform, and Concurrency Utilities for Java EE. The book culminates with three case studies that illustrate the use of multiple Java EE 7 APIs.

Discover how different software architectural models can help you solve problems, and learn best practices for the software development cycle Key Features Learn concepts related to software architecture and embrace them using the latest features of Spring 5 Discover architectural models and learn when to apply them Gain knowledge of architectural principles and how they can be used to provide accountability and rationale for architectural decisions Book Description Spring 5 and its ecosystem can be used to build robust architectures

effectively. Software architecture is the underlying piece that helps us accomplish our business goals whilst supporting the features that a product demands. This book explains in detail how to choose the right architecture and apply best practices during your software development cycle to avoid technical debt and support every business requirement. Choosing the right architecture model to support your business requirements is one of the key decisions you need to take when a new product is being created from scratch or is being refactored to support new business demands. This book gives you insights into the most common architectural models and guides you when and where they can be used. During this journey, you'll see cutting-edge technologies surrounding the Spring products, and understand how to use agile techniques such as DevOps and continuous delivery to take your software to production effectively. By the end of this book, you'll not only know the ins and outs of Spring, but also be able to make critical design decisions that surpass your clients' expectations. What you will learn Understand the key principles of software architecture Uncover the most common architectural models available Analyze scenarios where an architecture model should be used Implement agile techniques to take your software to production Secure the products you are working on Master tricks that will help you build high-performant

applications Use cutting-edge technologies to build products Who this book is for If you're an experienced Spring developer aspiring to become an architect of enterprise-grade applications, this book is for you. It's also ideal for software architects who want to leverage Spring to create effective application blueprints.

Learn how to design and develop distributed web services in Java using RESTful architectural principals and the JAX-RS specification in Java EE 6. With this hands-on reference, you'll focus on implementation rather than theory, and discover why the RESTful method is far better than technologies like CORBA and SOAP. It's easy to get started with services based on the REST architecture. RESTful Java with JAX-RS includes a technical guide that explains REST and JAX-RS, how they work, and when to use them. With the RESTEasy workbook that follows, you get step-by-step instructions for installing, configuring, and running several working JAX-RS examples using the JBoss RESTEasy implementation of JAX-RS. Work on the design of a distributed RESTful interface, and develop it in Java as a JAX-RS service Dispatch HTTP requests in JAX-RS, and learn how to extract information from them Deploy your web services within Java Enterprise Edition using the Application class, Default Component Model, EJB Integration, Spring Integration, and JPA Discover several options for

securing your web services Learn how to implement RESTful design patterns using JAX-RS Write RESTful clients in Java using libraries and frameworks such as java.net.URL, Apache HTTP Client, and RESTEasy Proxy

Find out how to craft effective, business-oriented Java EE 8 applications that target customer's demands in the age of Cloud platforms and container technology. About This Book Understand the principles of modern Java EE and how to realize effective architectures Gain knowledge of how to design enterprise software in the age of automation, Continuous Delivery and Cloud platforms Learn about the reasoning and motivations behind state-of-the-art enterprise Java technology, that focuses on business Who This Book Is For This book is for experienced Java EE developers who are aspiring to become the architects of enterprise-grade applications, or software architects who would like to leverage Java EE to create effective blueprints of applications. What You Will Learn What enterprise software engineers should focus on Implement applications, packages, and components in a modern way Design and structure application architectures Discover how to realize technical and cross-cutting aspects Get to grips with containers and container orchestration technology Realize zero-dependency, 12-factor, and Cloud-native applications Implement automated, fast, reliable, and

maintainable software tests Discover distributed system architectures and their requirements In Detail Java EE 8 brings with it a load of features, mainly targeting newer architectures such as microservices, modernized security APIs, and cloud deployments. This book will teach you to design and develop modern, business-oriented applications using Java EE 8. It shows how to structure systems and applications, and how design patterns and Domain Driven Design aspects are realized in the age of Java EE 8. You will learn about the concepts and principles behind Java EE applications, and how to effect communication, persistence, technical and cross-cutting concerns, and asynchronous behavior. This book covers Continuous Delivery, DevOps, infrastructure-as-code, containers, container orchestration technologies, such as Docker and Kubernetes, and why and especially how Java EE fits into this world. It also covers the requirements behind containerized, zero-dependency applications and how modern Java EE application servers support these approaches. You will also learn about automated, fast, and reliable software tests, in different test levels, scopes, and test technologies. This book covers the prerequisites and challenges of distributed systems that lead to microservice, shared-nothing architectures. The challenges and solutions of consistency versus scalability will further lead us to event sourcing, event-driven architectures, and

the CQRS principle. This book also includes the nuts and bolts of application performance as well as how to realize resilience, logging, monitoring and tracing in a modern enterprise world. Last but not least the demands of securing enterprise systems are covered. By the end, you will understand the ins and outs of Java EE so that you can make critical design decisions that not only live up to, but also surpass your clients' expectations. Style and approach This book focuses on solving business problems and meeting customer demands in the enterprise world. It covers how to create enterprise applications with reasonable technology choices, free of cargo-cult and over-engineering. The aspects shown in this book not only demonstrate how to realize a certain solution, but also explain its motivations and reasoning.

"A quick reference for simplified Enterprise Java development"--Cover.

Build powerful back-end business logic and complex Enterprise JavaBeans (EJB)-based applications using Java EE 8, Eclipse Enterprise for Java (EE4J), Web Tools Project (WTP), and the Microprofile platform. Targeted at Java and Java EE developers, with or without prior EJB experience, this book is packed with practical insights, strategy tips, and code examples. As each chapter unfolds, you'll see how you can apply the new EJB spec to your own applications through specific examples. Beginning EJB in Java EE 8 serves not only as a reference, but also as a how-to guide and repository

Read Free The Java Ee Architects Handbook Second Edition How To Be A Successful

Application Architect For Applications Kindle
Derek Ashmore

of practical examples to which you can refer as you build your own applications. It will help you harness the power of EJBs and take your Java EE 8 development to the next level. You'll gain the knowledge and skills you'll need to create the complex enterprise applications that run today's transactions and more. What You'll Learn Build applications with Enterprise JavaBeans (EJBs) in the new Java EE 8 platform Discover when to use EJBs over contexts and dependency injection Use message-driven beans to do tasks asynchronously Integrate EJBs with microservices using the new Eclipse Microprofile project Manage complex enterprise transactions and much more Who This Book Is For Java programmers new to enterprise development and for those who may have experience with EJBs but are new to Java EE 8, EE4J, and related Eclipse projects.

- * Compiles all the rules of thumb and referenced facts to provide a convenient, one-stop resource for builders and architects
- * Updated to include new cost information and coverage of the latest International Building and NFPA (National Fire Protection Association) Codes
- * Hundreds of diagrams, charts, tables, checklists, details, and other design data for building materials, components, and assemblies
- * Structured to follow typical job progression, this resource covers initial planning and estimating through design and construction

Learn and master the new features in the JSF 2.3 MVC web framework in this definitive guide written by two of the JavaServer Faces (JSF) specification leads. The authors take you through real-world examples that demonstrate how these new features are used with other

APIs in Java EE 8. You'll see the new and exciting ways JSF applications can use to communicate between a client and a server, such as using WebSockets, invoking bean methods directly from Ajax, executing client-side JavaScript when Ajax calls complete, and more Along the way you'll broaden your knowledge of JSF components and web APIs best practices, and learn a great deal about the internals of JSF and the design decisions that have been made when building the JSF API. For example, you'll see what artefacts are now CDI injectable, how CDI changed JSF internally, and what some of the caveats are when working with the CDI versions of a JSF artefact. Furthermore, you'll build an example application from scratch. After reading The Definitive Guide to JSF in Java EE 8, you'll be ready to build your own efficient and secure web applications.

What You Will Learn Leverage the new features in JSF 2.3 in your existing applications Integrate JSF and CDI Use the brand new Component Search Expression framework, which enables you to more easily locate components from your template Extend the Component Search Expression framework with your own search operators Work with the different ways of mapping requests to JSF, make your application use extensionless URLs, and programmatically inspect which resources are present in your application Master the best practices for web application development and see which are obsolete Who This Book Is For Existing JSF or Java developers who need to create a web UI. No prior knowledge of JSF is required, but the book does skew towards the more experienced developer. Concepts such

Application Architect For Applications Kindle
Derek Ashmore
as dependency injection and MVC are assumed to be known, as is a general knowledge about HTML, HTTP and other web standards.

Get the deep insights you need to master efficient architectural design considerations and solve common design problems in your enterprise applications. Key Features The benefits and applicability of using different design patterns in JAVA EE Learn best practices to solve common design and architectural challenges Choose the right patterns to improve the efficiency of your programs Book Description Patterns are essential design tools for Java developers. Java EE Design Patterns and Best Practices helps developers attain better code quality and progress to higher levels of architectural creativity by examining the purpose of each available pattern and demonstrating its implementation with various code examples. This book will take you through a number of patterns and their Java EE-specific implementations. In the beginning, you will learn the foundation for, and importance of, design patterns in Java EE, and then will move on to implement various patterns on the presentation tier, business tier, and integration tier. Further, you will explore the patterns involved in Aspect-Oriented Programming (AOP) and take a closer look at reactive patterns. Moving on, you will be introduced to modern architectural patterns involved in composing microservices and cloud-native applications. You will get acquainted with security patterns and operational patterns involved in scaling and monitoring, along with some patterns involved in deployment. By the end of the book, you will be able to efficiently address common

problems faced when developing applications and will be comfortable working on scalable and maintainable projects of any size. What you will learn Implement presentation layers, such as the front controller pattern Understand the business tier and implement the business delegate pattern Master the implementation of AOP Get involved with asynchronous EJB methods and REST services Involve key patterns in the adoption of microservices architecture Manage performance and scalability for enterprise-level applications Who this book is for Java developers who are comfortable with programming in Java and now want to learn how to implement design patterns to create robust, reusable and easily maintainable apps.

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

A Comprehensive Process for Defining Software Architectures That Work A good software architecture is the foundation of any successful software system.

Effective architecting requires a clear understanding of organizational roles, artifacts, activities performed, and the optimal sequence for performing those activities.

With The Process of Software Architecting , Peter Eeles and Peter Cripps provide guidance on these challenges by covering all aspects of architecting a software system, introducing best-practice techniques that apply in every environment, whether based on Java EE, Microsoft .NET, or other technologies. Eeles and Cripps first illuminate concepts related to software architecture, including architecture documentation and reusable

assets. Next, they present an accessible, task-focused guided tour through a typical project, focusing on the architect's role, with common issues illuminated and addressed throughout. Finally, they conclude with a set of best practices that can be applied to today's most complex systems. You will come away from this book understanding The role of the architect in a typical software development project How to document a software architecture to satisfy the needs of different stakeholders The applicability of reusable assets in the process of architecting The role of the architect with respect to requirements definition The derivation of an architecture based on a set of requirements The relevance of architecting in creating complex systems The Process of Software Architecting will be an indispensable resource for every working and aspiring software architect—and for every project manager and other software professional who needs to understand how architecture influences their work.

The Best Fully Integrated Study System Available for Exam 310-051 With hundreds of practice questions and hands-on exercises, Sun Certified Enterprise Architect for Java EE Study Guide covers what you need to know--and shows you how to prepare--for this challenging exam. 100% complete coverage of all official objectives for exam 310-051 Inside the Exam sections in every chapter highlight key exam topics covered Simulated exam questions match the format, tone, topics, and difficulty of the real exam Covers all the exam topics, including: Basic Principles of Enterprise Architectures * Object-Oriented Design Using UML *

Read Free The Java Ee Architects Handbook
Second Edition How To Be A Successful
Application Architect For Applications Kindle
Derek Ashmore

Applicability of JEE Technology * Design Patterns *
Legacy Connectivity * EJB and Container Models *
Messaging * Internationalization and Localization *
Security Electronic content includes: Complete
MasterExam practice testing engine, featuring: One full
practice exam: Detailed answers with explanations:
Score Report performance assessment tool Electronic
book for studying on the go With free online registration:
Bonus downloadable MasterExam practice test
Java EE and .NET Interoperability addresses issues
encountered during the integration process, such as a
diverse technology set, incompatible APIs, and disparate
environment maintenance. The experienced authors
outline strategies, approaches, and best practices,
including messaging, Web services, and integration-
related frameworks and patterns. The book also
introduces readers to Service Oriented Architecture
(SOA), the building block for scalable and reliable
enterprise integration solutions. This indispensable book
provides the Java EE and .NET developer community
with multiple strategies to integrate between Java EE
and .NET platforms that save developers time and effort.
Applying proven interoperability solutions significantly
reduces the application development cycle. Coverage
includes · Effective Java EE—.NET integration strategies
and best practices · Detailed enterprise coverage, as
well as standalone Java EE component integration with
.NET · SOA as a building block for Java EE—.NET
interoperability · Interoperability security issues and risk
mitigation · Managing reliability, availability, and
scalability for Web services built on Java EE and .NET ·

Read Free The Java Ee Architects Handbook Second Edition How To Be A Successful

Application Architect For Applications Kindle
Derek Ashmore

The latest interoperability standards and specifications, including Web SSO MEX and WS-Management - Current interoperability technologies, such as Windows Communication Foundation, WSE 3.0, JAX-WS, and Enterprise Service Bus

Java Enterprise Edition (Java EE) continues to be one of the leading Java technologies and platforms. Beginning Java EE 7 is the first tutorial book on Java EE 7. Step by step and easy to follow, this book describes many of the Java EE 7 specifications and reference implementations, and shows them in action using practical examples. This definitive book also uses the newest version of GlassFish to deploy and administer the code examples. Written by an expert member of the Java EE specification request and review board in the Java Community Process (JCP), this book contains the best information possible, from an expert's perspective on enterprise Java technologies. What you'll learn Get started with the latest version of the Java EE Platform. Explore and use the EJB and JPA APIs from entities to session beans to message driven beans, and more. Discover web tier development APIs including JSF, Facelets and Expression Language. Uncover SOAP web services, RESTful web services, and more available in this latest Java EE. Create dynamic user interfaces for your enterprise and transactional Java applications. Who this book is for This book is for Java or Spring programmers with some experience and those new to Java EE platform. Architects will also find information about how to layer their Java EE applications. Table of Contents Java EE 7 Environment Context and

Read Free The Java Ee Architects Handbook Second Edition How To Be A Successful

Application Architect For Applications Kindle
Derek Ashmore

Dependency Injection Bean Validation Java Persistence
API Object-Relational Mapping Managing Persistent
Object Enterprise Java Beans Callbacks, Timer Service,
and Authorization Interceptors and Transactions
JavaServer Faces Processing and Navigation XML and
JSON Messaging SOAP Web Services RESTful Web
Service

The surprisingly successful book *Real World Java EE
Patterns-Rethinking Best Practices* [press.adam-
bien.com] discusses the rethinking of legacy J2EE
patterns. Now, *Real World Java EE Night Hacks* walks
you through the Java EE 6 best practices and patterns
used to create a real world application called "x-ray." X-
ray is a high-performance blog statistics application built
with nothing but vanilla Java EE 6 leveraging the
synergies between the JAX-RS, EJB 3.1, JPA 2, and
CDI 1.0 APIs. Foreword by James Gosling, Father of
Java

This book is written for application architects and senior
developers tasked with designing and leading the
development of J2EE java applications. This book will
guide the architect through the entire process from
analysis through application deployment providing
numerous tips, tricks, and "best practices" along the way.
Develop Enterprise Java applications compliant with the
latest version of the Java EE specification About This
Book This book covers all of the major Java EE 8 APIs
and includes new additions such as enhanced Security,
JSON-B Processing, and more Learn additional Java EE
APIs, such as the Java API for Websocket and the Java
Message Service (JMS) Develop applications by taking

advantage of the latest versions of CDI, Security, Servlets, and JSF and other Java EE specifications Who This Book Is For If you are a Java developer who wants to become proficient with Java EE 8, this book is ideal for you. You are expected to have some experience with Java and to have developed and deployed applications in the past, but you don't need any previous knowledge of Java EE. What You Will Learn Develop and deploy Java EE applications Embrace the latest additions to the Contexts and Dependency Injection (CDI) specification to develop Java EE applications Develop web-based applications by utilizing the latest version of JavaServer Faces, JSF 2.3. Understand the steps needed to process JSON data with JSON-P and the new JSON-B Java EE API Implement RESTful web services using the new JAX-RS 2.1 API, which also includes support for Server-Sent Events (SSE) and the new reactive client API In Detail Java EE is an Enterprise Java standard. Applications written to comply with the Java EE specification do not tie developers to a specific vendor; instead they can be deployed to any Java EE compliant application server. With this book, you'll get all the tools and techniques you need to build robust and scalable applications in Java EE 8. This book covers all the major Java EE 8 APIs including JSF 2.3, Enterprise JavaBeans (EJB) 3.2, Contexts and Dependency Injection (CDI) 2.0, the Java API for WebSockets, JAX-RS 2.1, Servlet 4.0, and more. The book begins by introducing you to Java EE 8 application development and goes on to cover all the major Java EE 8 APIs. It goes beyond the basics to develop Java EE applications that can be deployed to

any Java EE 8 compliant application server. It also introduces advanced topics such as JSON-P and JSON-B, the Java APIs for JSON processing, and the Java API for JSON binding. These topics dive deep, explaining how the two APIs (the Model API and the Streaming API) are used to process JSON data. Moving on, we cover additional Java EE APIs, such as the Java API for WebSocket and the Java Message Service (JMS), which allows loosely coupled, asynchronous communication. Further on, you'll discover ways to secure Java EE applications by taking advantage of the new Java EE Security API. Finally, you'll learn more about the RESTful web service development using the latest JAX-RS 2.1 specification. You'll also get to know techniques to develop cloud-ready microservices in Java EE. Style and approach The book takes a pragmatic approach, showing you various techniques to utilize new features of Java EE 8 specification. It is packed with clear, step-by-step instructions, practical examples, and straightforward explanations.

Learn to use the Java Persistence API (JPA) and other related APIs as found in the Java EE 8 platform from the perspective of one of the specification creators. A one-of-a-kind resource, this in-depth book provides both theoretical and practical coverage of JPA usage for experienced Java developers. Authors Mike Keith, Merrick Schincariol and Massimo Nardone take a hands-on approach, based on their wealth of experience and expertise, by giving examples to illustrate each concept of the API and showing how it is used in practice. The examples use a common model from an overarching

Read Free The Java Ee Architects Handbook Second Edition How To Be A Successful

Application Architect For Applications Kindle
Derek Ashmore

sample application, giving you a context from which to start and helping you to understand the examples within an already familiar domain. After completing Pro JPA 2 in Java EE 8, you will have a full understanding of JPA and be able to successfully code applications using its annotations and APIs. The book also serves as an excellent reference guide. What You Will Learn Use the JPA in the context of enterprise applications Work with object relational mappings (ORMs), collection mappings and more Build complex enterprise Java applications that persist data long after the process terminates Connect to and persist data with a variety of databases, file formats, and more Use queries, including the Java Persistence Query Language (JPQL) Carry out advanced ORM, queries and XML mappings Package, deploy and test your Java persistence-enabled enterprise applications Who This Book Is For Experienced Java programmers and developers with at least some prior experience with J2EE or Java EE platform APIs.

"The flip-side of Patterns, AntiPatterns provide developers with formal descriptions of common development gaffes that can derail a project along with practical guidelines on how to avoid them. In this book, the authors present dozens of Java AntiPatterns that tackle many of Java's biggest trouble spots for programming with EJB, JSP, Servlets, and more. Each AntiPattern is documented with real-world examples, code, and refactored (or escape-route) solutions, and the book uses UML (where appropriate) to diagram improved solutions. All code examples from the book are

Read Free The Java Ee Architects Handbook
Second Edition How To Be A Successful
Application Architect For Applications Kindle
Derek Ashmore

available to the reader on the book's companion Web site."

A Practical Book and eBook Guide for developers and architects using the EJB Standard.

[Copyright: 8413dd7db2087756b6d9025cbf0625b2](https://www.amazon.com/dp/8413dd7db2087756b6d9025cbf0625b2)