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Patterns of Enterprise Application Architecture Solving Enterprise Applications Performance Puzzles Developing .NET Enterprise Applications Designing Enterprise Applications with the J2EE Platform Architecting High Performing, Scalable and Available Enterprise Web Applications Building Java Enterprise Applications Management Information Systems for Enterprise Applications: Business Issues, Research and Solutions Hands-On Enterprise Application Development with Python Enterprise Applications Administration Enterprise Application Integration Microsoft Azure Building Spring 2 Enterprise Applications Enterprise Software Architecture and Design Oracle ADF Enterprise Application Development - Made Simple Wireless Internet Enterprise Applications Enterprise Application Architecture with .NET Core Enterprise JavaBeans Component Architecture Enterprise Application Development with C# 9 and .NET 5 Enterprise Application Integration Microsoft .NET - Architecting Applications for the Enterprise Enterprise Integration Developing Java Enterprise Applications Enterprise Application Integration Using .Net RAISING ENTERPRISE APPLICATIONS: A SOFTWARE ENGINEERING PERSPECTIVE (With CD) Web Services Enhancements Enterprise Database Connectivity Enterprise Application Integration with XML and Java Quartz Job Scheduling Framework Mastering RMI ENTPRS APP ARC, Process-Centric Architecture for Enterprise Software Systems User-designed Computing Kotlin for Enterprise Applications using Java EE Kotlin for Enterprise Applications Using Java EE Pro Spring Boot 2

POJOs in Action Building Enterprise JavaScript Applications
Enterprise Integration Patterns Mastering Spring 5 - Second Edition
Developing Java Enterprise Applications

Developing .NET Enterprise Applications Jun 21 2023 The author Kanalakis gives in-depth and detailed guidance on how to build a single, scalable enterprise application with C# and using .NET technologies.

Enterprise Integration Dec 03 2021 An expert guide to solving real business problems using components This groundbreaking book gets developers up to speed on Enterprise JavaBeans, CORBA components, and other cutting edge technologies that are making it easier and cheaper than ever for companies to integrate all of their applications into unified systems to support corporate decision-making. Fred Cummins presents an overview of the integration architecture and then dives right into the details, including communications messaging techniques for integrating application components, the "publish and subscribe" mechanism for linking components and monitoring business activities, using "adapters" to integrate applications, integrating Web services, work-flow management, and he also supplies proven code solutions for an array of problems associated with integrating packaged and custom applications across the enterprise. Companion Web site features source code and updates on the EAI architecture and underlying technologies.

Architecting High Performing, Scalable and Available Enterprise Web Applications Apr 19 2023 Architecting High Performing, Scalable and Available Enterprise Web Applications provides in-depth insights into techniques for achieving desired scalability, availability and performance quality goals for enterprise web applications. The book provides an integrated 360-degree view of achieving and maintaining these attributes through practical,

proven patterns, novel models, best practices, performance strategies, and continuous improvement methodologies and case studies. The author shares his years of experience in application security, enterprise application testing, caching techniques, production operations and maintenance, and efficient project management techniques. Delivers holistic view of scalability, availability and security, caching, testing and project management Includes patterns and frameworks that are illustrated with end-to-end case studies Offers tips and troubleshooting methods for enterprise application testing, security, caching, production operations and project management Exploration of synergies between techniques and methodologies to achieve end-to-end availability, scalability, performance and security quality attributes 360-degree viewpoint approach for achieving overall quality Practitioner viewpoint on proven patterns, techniques, methodologies, models and best practices. Bulleted summary and tabular representation of concepts for effective understanding Production operations and troubleshooting tips

Developing Java Enterprise Applications Apr 14 2020 Learn how to build sophisticated enterprise applications using the Java(TM) Enterprise APIs Stephen Asbury and Scott Weiner - two of Sun's favorite Java programming trainers-provide easy-to-digest instruction for the major Java Enterprise APIs and their associated programming tools and products. They describe proven techniques for combining these APIs to create powerful enterprise applications and discuss the role middleware products play in the enterprise development process. You'll learn how to: * Program with Java Enterprise APIs like RMI, Servlets, JDBC, JNDI, JTS, and others * Build N-Tier, transaction applications with Enterprise JavaBeans * Create messaging applications with Java Messaging Service (JMS) * Build a servlet search engine for your Web site * Create an online store with JavaServer Pages (JSP) * The CD-ROM

supplies you with: * Over 75 example Java applications, servlets, and Enterprise JavaBeans * Two comprehensive examples including MiniJMS, a simple JMS provider * Java 2 and Java Servlet Development Kit version 2.0 from Sun Microsystems * BEA WebLogic application server version 3.1 * JBMS evaluation version 1.5 from Cloudscape

Enterprise Integration Patterns Jun 16 2020

Kotlin for Enterprise Applications using Java EE Nov 21 2020
Build Java Enterprise Applications and learn how Kotlin makes it easier to code them using components like 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. Key FeaturesAn in-depth guide updated with all the latest features of Kotlin 1.2 and Java EE 8Build microservices in Java EE with the help of Kotlin use casesExplore coroutines, garbage collection, multithreading, memory management and moreBook Description Kotlin was developed with a view to solving programmers ' difficulties and operational challenges. This book guides you in making Kotlin and Java EE work in unison to build enterprise-grade applications. Together, they can be used to create services of any size with just a few lines of code and let you focus on the business logic. Kotlin for Enterprise Applications using Java EE begins with a brief tour of Kotlin and helps you understand what makes it a popular and reasonable choice of programming language for application development, followed by its incorporation in the Java EE platform. We will then learn how to build applications using the Java Persistence API (JPA) and Enterprise JavaBeans (EJB), as well as develop RESTful web services and MicroServices. As we work our way through the chapters, we ' ll use various performance improvement and monitoring tools for your application and see how they optimize real-world applications. At each step along the way, we will see

how easy it is to develop enterprise applications in Kotlin. By the end of this book, we will have learned design patterns and how to implement them using Kotlin. What you will learn

- Understand Kotlin syntax and appreciate why it 's gaining in popularity
- Explore the Java EE ecosystem and the APIs in Java EE
- Implement applications using Kotlin
- Overcome the challenges of developing the Java EE system using Kotlin
- Gain insights into Java Message Services (JMS)
- Build RESTful MicroServices and secure applications
- Optimize applications with performance and monitoring tools
- Understand design patterns and implement them

Who this book is for Kotlin for Enterprise Applications using Java EE is for Java EE developers who want to build their enterprise project or application with Kotlin or migrate from Java to Kotlin. Basic knowledge of programming is necessary to understand the key concepts covered in this book.

Enterprise Database Connectivity Jun 28 2021 Written by a well known authority in the field, it explains how to use sophisticated products that merge database management with data communications in order to guarantee security, integrity and concurrency regardless of the computer platform. Provides in-depth coverage of the issues and concepts of Enterprise Database Connectivity (EDC) to deploy these enterprise applications successfully to the desktop. Enables readers to design and implement systems by offering objective information about significant products from IBM, Sybase, Microsoft, etc., for front end and imbedded tools. Discusses various approaches to connectivity (what works with what) and offers a simple action plan to allow large companies to move forward in this rapidly growing area.

Hands-On Enterprise Application Development with Python Jan 16 2023 Architect scalable, reliable, and maintainable applications for enterprises with Python Key Features Explore

various Python design patterns used for enterprise software development Apply best practices for testing and performance optimization to build stable applications Learn about different attacking strategies used on enterprise applications and how to avoid them Book Description Dynamically typed languages like Python are continuously improving. With the addition of exciting new features and a wide selection of modern libraries and frameworks, Python has emerged as an ideal language for developing enterprise applications. Hands-On Enterprise Application Development with Python will show you how to build effective applications that are stable, secure, and easily scalable. The book is a detailed guide to building an end-to-end enterprise-grade application in Python. You will learn how to effectively implement Python features and design patterns that will positively impact your application lifecycle. The book also covers advanced concurrency techniques that will help you build a RESTful application with an optimized frontend. Given that security and stability are the foundation for an enterprise application, you'll be trained on effective testing, performance analysis, and security practices, and understand how to embed them in your codebase during the initial phase. You'll also be guided in how to move on from a monolithic architecture to one that is service oriented, leveraging microservices and serverless deployment techniques. By the end of the book, you will have become proficient at building efficient enterprise applications in Python. What you will learn Understand the purpose of design patterns and their impact on application lifecycle Build applications that can handle large amounts of data-intensive operations Uncover advanced concurrency techniques and discover how to handle a large number of requests in production Optimize frontends to improve the client-side experience of your application Effective testing and performance profiling techniques

to detect issues in applications early in the development cycle
Build applications with a focus on security Implement large
applications as microservices to improve scalability Who this
book is for If you're a developer who wants to build enterprise-
grade applications, this book is for you. Basic to intermediate-level
of programming experience with Python and database systems is
required to understand the concepts covered in this book.

Enterprise Application Architecture with .NET Core May 08 2022

Architect and design highly scalable, robust, clean and highly
performant applications in .NET Core About This Book

Incorporate architectural soft-skills such as DevOps and Agile
methodologies to enhance program-level objectives Gain

knowledge of architectural approaches on the likes of SOA
architecture and microservices to provide traceability and

rationale for architectural decisions Explore a variety of practical
use cases and code examples to implement the tools and

techniques described in the book Who This Book Is For This book
is for experienced .NET developers who are aspiring to become

architects of enterprise-grade applications, as well as software
architects who would like to leverage .NET to create effective

blueprints of applications. What You Will Learn Grasp the
important aspects and best practices of application lifecycle

management Leverage the popular ALM tools, application
insights, and their usage to monitor performance, testability, and

optimization tools in an enterprise Explore various authentication
models such as social media-based authentication, 2FA and

OpenID Connect, learn authorization techniques Explore Azure
with various solution approaches for Microservices and Serverless

architecture along with Docker containers Gain knowledge about
the recent market trends and practices and how they can be

achieved with .NET Core and Microsoft tools and technologies In
Detail If you want to design and develop enterprise applications

using .NET Core as the development framework and learn about industry-wide best practices and guidelines, then this book is for you. The book starts with a brief introduction to enterprise architecture, which will help you to understand what enterprise architecture is and what the key components are. It will then teach you about the types of patterns and the principles of software development, and explain the various aspects of distributed computing to keep your applications effective and scalable. These chapters act as a catalyst to start the practical implementation, and design and develop applications using different architectural approaches, such as layered architecture, service oriented architecture, microservices and cloud-specific solutions. Gradually, you will learn about the different approaches and models of the Security framework and explore various authentication models and authorization techniques, such as social media-based authentication and safe storage using app secrets. By the end of the book, you will get to know the concepts and usage of the emerging fields, such as DevOps, BigData, architectural practices, and Artificial Intelligence. Style and approach Filled with examples and use cases, this guide takes a no-nonsense approach to show you the best tools and techniques required to become a successful software architect.

Patterns of Enterprise Application Architecture Aug 23 2023 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

Pro Spring Boot 2 Sep 19 2020 Quickly and productively develop complex Spring applications and microservices out of the box, with minimal concern over things like configurations. This revised book will show you how to fully leverage the Spring Boot 2 technology and how to apply it to create enterprise ready applications that just work. It will also cover what's been added to

the new Spring Boot 2 release, including Spring Framework 5 features like WebFlux, Security, Actuator and the new way to expose Metrics through Micrometer framework, and more. This book is your authoritative hands-on practical guide for increasing your enterprise Java and cloud application productivity while decreasing development time. It's a no nonsense guide with case studies of increasing complexity throughout the book. The author, a senior solutions architect and Principal Technical instructor with Pivotal, the company behind the Spring Framework, shares his experience, insights and first-hand knowledge about how Spring Boot technology works and best practices. Pro Spring Boot 2 is an essential book for your Spring learning and reference library. What You Will Learn Configure and use Spring Boot Use non-functional requirements with Spring Boot Actuator Carry out web development with Spring Boot Persistence with JDBC, JPA and NoSQL Databases Messaging with JMS, RabbitMQ and WebSockets Test and deploy with Spring Boot A quick look at the Spring Cloud projects Microservices and deployment to the Cloud Extend Spring Boot by creating your own Spring Boot Starter and @Enable feature Who This Book Is For Experienced Spring and Java developers seeking increased productivity gains and decreased complexity and development time in their applications and software services.

Enterprise Application Integration Using .Net Oct 01 2021 The ultimate guide to attacking one of the biggest problems in IT today - application integration - using the .NET Framework.

Solving Enterprise Applications Performance Puzzles Jul 22 2023 Poorly performing enterprise applications are the weakest links in a corporation's management chain, causing delays and disruptions of critical business functions. This groundbreaking book frames enterprise application performance engineering not as an art but as applied science built on model-based

methodological foundation. The book introduces queuing models of enterprise application that visualize, demystify, explain, and solve system performance issues. Analysis of these models will help to discover and clarify unapparent connections and correlations among workloads, hardware architecture, and software parameters.

Building Spring 2 Enterprise Applications Sep 12 2022 This is a brilliantly practical work that lets the reader experience a 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.

Web Services Enhancements Jul 30 2021 Microsoft's Web Services Development Kit (WSDK) brings to the table infrastructure protocols with standards to solve Web services problems such as security and scalability This book will be the first available on this new development tool The author is a member of a select group that Microsoft has brought in to work directly with the development team for the WSDK Global XML Web Services Architecture is the new set of standards for XML Web services established by several companies including Microsoft and Sun Microsystems-WSDK makes working with these standards easier Companion Web site includes sample code and updates, including coverage of new tools as they are released

Enterprise Application Integration Nov 14 2022 Dealing with the concepts behind a vendor's products, this a guide for IT managers

on how to ensure the IT infrastructure matches the need of the enterprise, and which procedures should be followed to ensure this happens.

Designing Enterprise Applications with the J2EE Platform May 20 2023 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.

Enterprise Application Development with C# 9 and .NET 5 Mar 06 2022 Become a professional .NET developer by learning expert techniques for building enterprise-grade applications Key Features Explore the advanced features of C# and .NET 5 to enhance your code and productivity Follow clear and easy instructions for building an end-to-end enterprise application Learn how to build scalable web applications and host them on the cloud Book Description .NET Core is one of the most popular programming platforms in the world for an increasingly large community of developers thanks to its excellent cross-platform support. This book will show you how to confidently use the features of .NET 5 with C# 9 to build robust enterprise applications. Throughout the book, you'll work on creating an

enterprise app and adding a key component to the app with each chapter, before finally getting it ready for testing and deployment. You'll learn concepts relating to advanced data structures, the Entity Framework Core, parallel programming, and dependency injection. As you progress, you'll cover various authentication and authorization schemes provided by .NET Core to make your apps and APIs secure. Next, you'll build web apps using ASP.NET Core 5 and deploy them on the cloud while working with various cloud components using Azure. The book then shows you how to use the latest Microsoft Visual Studio 2019 and C# 9 to simplify developer tasks, and also explores tips and tricks in Visual Studio 2019 to improve your productivity. Later, you'll discover various testing techniques such as unit testing and performance testing as well as different methods to deploy enterprise apps. By the end of this book, you'll be able to create enterprise apps using the powerful features of .NET 5 and deploy them on the cloud. What you will learn

Design enterprise apps by making the most of the latest features of .NET 5

Discover different layers of an app, such as the data layer, API layer, and web layer

Explore end-to-end architecture, implement an enterprise web app using .NET and C# 9, and deploy the app on Azure

Focus on the core concepts of web application development such as dependency injection, caching, logging, configuration, and authentication, and implement them in .NET 5

Integrate the new .NET 5 health and performance check APIs with your app

Understand how .NET 5 works and contribute to the .NET 5 platform

Who this book is for

If you are a developer, architect, or senior programmer who wants to leverage the features of .NET 5 and the C# language, as well as grasp essential techniques to build your skills, then this C# .NET 5 book is for you. Beginner to intermediate-level knowledge of the .NET framework and C# programming is required to understand the concepts covered in this book more effectively.

Quartz Job Scheduling Framework Apr 26 2021 Integrate Powerful Scheduling Capabilities into Any Java Application or Environment If your Java applications depend on tasks that must be performed at specific times or if your systems have recurring maintenance jobs that could be automated, then you need Quartz: the first full-featured, open source job scheduling framework. Quartz Job Scheduling Framework reveals how to make the most of Quartz with virtually any Java EE or Java SE application, from the smallest standalone program to the largest e-commerce application. Best-selling author Chuck Cavaness shows developers and architects how to integrate Quartz with leading open source Java frameworks, including Hibernate and Struts. Using practical examples, Cavaness illuminates everything from basic job scheduling to the use of Quartz in clustered environments and enterprise workflow applications. To jumpstart your own Quartz projects, he also presents a full chapter of “cookbook” sample code. Coverage includes • Understanding the value of scheduling in the enterprise environment • Installing and configuring the Quartz framework • Scheduling jobs, and triggering them on simple or complex schedules • Using JobStores to persist schedule information between JVM restarts • Using Listeners to receive callbacks from Quartz when key events occur • Extending Quartz with Plugins • Accessing Quartz through a Web-based graphical interface • Clustering Quartz applications, both horizontally and vertically • Using RMI to schedule Quartz remotely • Leveraging Quartz to automate maintenance and workflow

Enterprise JavaBeans Component Architecture Apr 07 2022 This book simplifies the creation of well-designed enterprise applications using the upgraded Enterprise JavaBeans 2.0 specification. Experienced Java platform mentors Gail Anderson and Paul Anderson use detailed code examples to introduce every

key skill involved in creating components, stand-alone Java platform clients, and JavaServer pages. They introduce powerful EJB platform design patterns and show how to apply them in real-world projects while avoiding critical errors in application design. Each chapter includes a "Design Guidelines and Patterns" section designed to help readers assess tradeoffs associated with design decisions, and key point summaries that tie together important concepts. In short, Anderson and Anderson give readers everything they need to build EJB 2.0 platform applications with maximum robustness, scalability, and performance.

Building Java Enterprise Applications Mar 18 2023 This is the advanced, complete and practical guide to building complex Java Enterprise Applications from the ground up, and learning design issues along the way. Beyond showing how to write the code, the book covers what happens when it's time to deploy it on various servers.

ENTPRS APP ARC, Feb 22 2021 This text is about delivering professional Enterprise systems in Visual Basic 6. It begins where Professional VB5/6 Business Objects left off. It offers a response to the Business Objects book, and sets out to take the dialog further. It also offers a response to the techno-political situation at the Enterprise level for Visual Basic. By definition, the task of delivering an enterprise is a huge undertaking. Microsoft's enterprise offerings have evolved to the point where they pose a serious threat to existing enterprise level platforms.

Management Information Systems for Enterprise Applications: Business Issues, Research and Solutions Feb 17 2023 "This book provides the conceptual and methodological foundations that reflect interdisciplinary concerns regarding research in management information systems, investigating the future of management information systems by means of analyzing a variety of MIS and service-related concepts in a wide range of

disciplines"--Provided by publisher.

Kotlin for Enterprise Applications Using Java EE Oct 21 2020
Build Java Enterprise Applications and learn how Kotlin makes it easier to code them using components like 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. Key Features An in-depth guide updated with all the latest features of Kotlin 1.2 and Java EE 8 Build microservices in Java EE with the help of Kotlin use cases Explore coroutines, garbage collection, multithreading, memory management and more Book Description Kotlin was developed with a view to solving programmers' difficulties and operational challenges. This book guides you in making Kotlin and Java EE work in unison to build enterprise-grade applications. Together, they can be used to create services of any size with just a few lines of code and let you focus on the business logic. Kotlin for Enterprise Applications using Java EE begins with a brief tour of Kotlin and helps you understand what makes it a popular and reasonable choice of programming language for application development, followed by its incorporation in the Java EE platform. We will then learn how to build applications using the Java Persistence API (JPA) and Enterprise JavaBeans (EJB), as well as develop RESTful web services and MicroServices. As we work our way through the chapters, we'll use various performance improvement and monitoring tools for your application and see how they optimize real-world applications. At each step along the way, we will see how easy it is to develop enterprise applications in Kotlin. By the end of this book, we will have learned design patterns and how to implement them using Kotlin. What you will learn Understand Kotlin syntax and appreciate why it's gaining in popularity Explore the Java EE ecosystem and the APIs in Java EE Implement applications using Kotlin Overcome the challenges of developing

the Java EE system using Kotlin Gain insights into Java Message Services (JMS) Build RESTful MicroServices and secure applications Optimize applications with performance and monitoring tools Understand design patterns and implement them Who this book is for Kotlin for Enterprise Applications using Java EE is for Java EE developers who want to build their enterprise project or application with Kotlin or migrate from Java to Kotlin. Basic knowledge of programming is necessary to understand the key concepts covered in this book.

Oracle ADF Enterprise Application Development - Made Simple Jul 10 2022 This book is written in an easy-to-read style, following an enterprise development process through all the phases from proof of concept to initiation and setup to development and on to integration testing and deployment. Concepts are illustrated with real-world examples and the approaches and methods are explained step by step. This book is for developers in general - both web developers and developers experienced with classic 4GL tools like Oracle Forms - who wish to learn how to develop modern, user-friendly web applications in an Oracle environment. It is for novice ADF developers who wish to learn how to use JDeveloper and ADF, as well as for more experienced ADF developers who wish to improve their knowledge and understanding of ADF and how to use it effectively.

Mastering RMI Mar 26 2021

Process-Centric Architecture for Enterprise Software Systems Jan 24 2021 The increasing adoption of Business Process Management (BPM) has inspired pioneering software architects and developers to effectively leverage BPM-based software and process-centric architecture (PCA) to create software systems that enable essential business processes. Reflecting this emerging trend and evolving field, Process-Centric Architecture

Enterprise Applications Administration Dec 15 2022 Enterprise Applications Administration prepares you for the full breadth of work associated with administering large enterprise applications. This book provides essential information on tasks such as operating systems administration, network design, system architecture, project planning, working within a team, protecting the network, and how to keep applications up and running. The book effectively bridges the gap between what is taught in the technology-specific literature and the real world of enterprise application administrators. Provides a general understanding of all key knowledge areas needed by enterprise application administrators Bridges the gap between technology-specific literature and the actual work being performed by enterprise application administrators Shows how to define and standardize processes and documentation to make enterprise application administration easier and more consistent

Mastering Spring 5 - Second Edition May 16 2020

Developing Java Enterprise Applications Nov 02 2021 The first hands-on guide to building Java enterprise applications, updated and expanded to cover all of J2EE's exciting new features Java has always been great when it came to creating Web applets, but, until now, it was hardly up to the task of building high-performance applications. Increased XML support, EJB 2.0, and a new APM, Java2 Enterprise Edition (J2EE), offer developers what they need to build powerful enterprise applications. This updated and expanded edition of the popular hands-on guide shows them how. It uses the examples of two large-scale enterprise applications--complete with source code--to show readers how to use J2EE's various APIs together as well as with other technologies, such as CORBA, COM, Servlets, and Agents. The book also features substantially expanded coverage of Enterprise JavaBeans and tells how to get the most out of EJB 2.0 tools and

products. Topics of special interest to Java developers include: building a Servlet search engine; creating online stores with Java Server Pages; using transactions with EJBs and JDBC to create N-Tier applications; and selecting the best middleware for your needs.

Building Enterprise JavaScript Applications Jul 18 2020
Strengthen your applications by adopting Test-Driven Development (TDD), the OpenAPI Specification, Continuous Integration (CI), and container orchestration. Key Features Create production-grade JavaScript applications from scratch Build microservices and deploy them to a Docker container for scaling applications Test and deploy your code with confidence using Travis CI Book Description With the over-abundance of tools in the JavaScript ecosystem, it's easy to feel lost. Build tools, package managers, loaders, bundlers, linters, compilers, transpilers, typecheckers - how do you make sense of it all? In this book, we will build a simple API and React application from scratch. We begin by setting up our development environment using Git, yarn, Babel, and ESLint. Then, we will use Express, Elasticsearch and JSON Web Tokens (JWTs) to build a stateless API service. For the front-end, we will use React, Redux, and Webpack. A central theme in the book is maintaining code quality. As such, we will enforce a Test-Driven Development (TDD) process using Selenium, Cucumber, Mocha, Sinon, and Istanbul. As we progress through the book, the focus will shift towards automation and infrastructure. You will learn to work with Continuous Integration (CI) servers like Jenkins, deploying services inside Docker containers, and run them on Kubernetes. By following this book, you would gain the skills needed to build robust, production-ready applications. What you will learn Practice Test-Driven Development (TDD) throughout the entire book Use Cucumber, Mocha and Selenium to write E2E, integration, unit and UI tests

Build stateless APIs using Express and Elasticsearch Document your API using OpenAPI and Swagger Build and bundle front-end applications using React, Redux and Webpack Containerize services using Docker Deploying scalable microservices using Kubernetes Who this book is for If you're a JavaScript developer looking to expand your skillset and become a senior JavaScript developer by building production-ready web applications, then this book is for you.

Enterprise Application Integration Feb 05 2022 Learn to utilize today's hottest EAI technologies to ensure interoperability across your organization What exactly is enterprise application integration (EAI)? What makes this \$300 million market so hot that it's expected to grow to \$6.5 billion in the next two years? How do you apply it in the real world? Whether you're an IT professional or systems architect, business manager or software developer, if you're looking into EAI as a solution for unifying applications and systems across the enterprise, then the answers are in this book. You'll find a complete and unbiased survey of the different technologies, architectures, and approaches available for EAI implementations, including pros and cons, clear explanations of all concepts, and first-rate guidance on how to choose the best EAI strategy for your company. The authors draw on their pioneering work with early implementations to show you how to: Define your specific integration problem in a useful form that enables a real solution Develop your own EAI architecture and ensure interoperability of legacy, stovepipe, COTS, client-server and modern technology applications Choose the best among messaging architecture, object architecture, and transaction architecture Work with the best implementation technologies, including Microsoft's COM+, the OMG's CORBA, and Sun's EJB Utilize the proven Secure Application Integration Methodology (SAIM) Wiley Tech Briefs Focused on the needs of

the corporate IT and business manager, the Tech Briefs series provides in-depth information on a new or emerging technology, solutions, and vendor offerings available in the marketplace. With their accessible approach, these books will help you get quickly up-to-speed on a topic so that you can effectively compete, grow, and better serve your customers.

Wireless Internet Enterprise Applications Jun 09 2022 Get a jump start on deploying next-generation Internet technologies in your business. The rapid growth of wireless Internet technologies is changing not only the way we do business but also the way we must think about designing wireless and Web applications and services. This book provides a much-needed overview of the various technologies and business aspects of what is fast becoming a priority for corporate technical and nontechnical staff alike. Industry expert Chetan Sharma provides complete guidance on how to devise and implement a successful wireless Internet business plan, revealing the latest wireless hardware and software trends, solutions, and services. With his competent advice, you'll discover how the technology works and how to weigh business, technical, and cost issues when integrating wireless capabilities into your applications and services. You'll also be able to sail through the dizzying array of available business products, standards, and applications. Along with illustrations, references, and a useful listing of Web resources, you'll find easily accessible, up-to-the-minute discussions of: The history of wireless communication and where it's heading Wireless Internet solutions for all major industries Enabling technologies such as WAP, VoiceXML, Position Location, Bluetooth, Personalization, Biometrics, and much more The major players in wireless Internet, including AT&T, NTT DoCoMo, Nokia, Palm, Phone.com, IBM, and many others

POJOs in Action Aug 19 2020 The standard platform for

enterprise application development has been EJB but the difficulties of working with it caused it to become unpopular. They also gave rise to lightweight technologies such as Hibernate, Spring, JDO, iBATIS and others, all of which allow the developer to work directly with the simpler POJOs. Now EJB version 3 solves the problems that gave EJB 2 a black eye-it too works with POJOs. POJOs in Action describes the new, easier ways to develop enterprise Java applications. It describes how to make key design decisions when developing business logic using POJOs, including how to organize and encapsulate the business logic, access the database, manage transactions, and handle database concurrency. This book is a new-generation Java applications guide: it enables readers to successfully build lightweight applications that are easier to develop, test, and maintain.

Enterprise Application Integration with XML and Java May 28 2021 Three super-hot topics come together in this first complete guide to Enterprise Application Integration with XML and Java. The book teaches readers to identify data exchange requirements and meet them with Java and XML. It contains easy-to-read, well-documented code throughout. The CD-ROM contains extensive source code from the book, plus a library of leading-edge software and trialware.

RAISING ENTERPRISE APPLICATIONS: A SOFTWARE ENGINEERING PERSPECTIVE (With CD) Aug 31 2021 Special Features: · Discusses knowledgebase and skill set required for enterprise application development using a case study· Defines a prescriptive technical architecture framework for raising a typical enterprise application· Provides mapping of typical application framework components to the software design patterns· Introduces the software construction map to bridge the gap between the designers and developers perspectives· Explains the layer-by-layer construction of enterprise applications · Discusses

testing of enterprise applications, to understand various kinds of testing, in an exclusive chapter. Defines the concept map for key topics discussed in the book. Shares do's and don'ts for the life cycle phases of raising enterprise applications. Provides tips on tools and technologies used to raise enterprise applications. Unfolds the overall journey of raising enterprise applications from inception to rollout. The accompanying CD contains: CD content copyright page. Readme file, listing the content of the CD. LoMS Application Deployment Guide for the case study . LoMS Application containing JAVA-based codebase . A PowerPoint presentation, the ready reference of the key concepts, discussed in the book. About The Book: This book attempts to take the readers through the various processes, life cycle stages, patterns, frameworks, tools and technologies required to raise successful enterprise applications, catering to the business needs of today's enterprises. Based on the authors experience, learning and hard-won wisdom, the book highlights the raising of enterprise applications while conforming to proven software engineering practices. It provides an essential guidance to navigate from inception to rollout of a typical enterprise application development. Written by IT industry veterans, the book can be used by those who are interested in understanding the complex journey of developing enterprise applications. The book helps programmers, testers, architects, business analysts and project managers get an overall understanding of the enterprise application development. It also helps academia visualize the enterprise application development in practice.

Microsoft Azure Oct 13 2022 Straight talking advice on how to design and build enterprise applications for the cloud using Microsoft Azure with this book and eBook.

User-designed Computing Dec 23 2020 This book examines the term 'real-time information' and distinguishes it as 'real-control

information' while looking at the problems associated with computerizing real-control information, and making the end-user the architect of their own systems. This book explains how data-processing management can deliver large-scale, user-oriented computer services and yet effectively manage the related computer resources and provide system safety.

Enterprise Software Architecture and Design Aug 11 2022 This book fills a gap between high-level overview texts that are often too general and low-level detail oriented technical handbooks that lose sight the "big picture". This book discusses SOA from the low-level perspective of middleware, various XML-based technologies, and basic service design. It also examines broader implications of SOA, particularly where it intersects with business process management and process modeling. Concrete overviews will be provided of the methodologies in those fields, so that students will have a hands-on grasp of how they may be used in the context of SOA.

Microsoft .NET - Architecting Applications for the Enterprise Jan 04 2022 A software architect ' s digest of core practices, pragmatically applied Designing effective architecture is your best strategy for managing project complexity—and improving your results. But the principles and practices of software architecting—what the authors call the “ science of hard decisions ” —have been evolving for cloud, mobile, and other shifts. Now fully revised and updated, this book shares the knowledge and real-world perspectives that enable you to design for success—and deliver more successful solutions. In this fully updated Second Edition, you will: Learn how only a deep understanding of domain can lead to appropriate architecture Examine domain-driven design in both theory and implementation Shift your approach to code first, model later—including multilayer architecture Capture the benefits of prioritizing

software maintainability See how readability, testability, and extensibility lead to code quality Take a user experience (UX) first approach, rather than designing for data Review patterns for organizing business logic Use event sourcing and CQRS together to model complex business domains more effectively Delve inside the persistence layer, including patterns and implementation.

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