

Http Developer S Handbook Chris Shiflett

Describes ways to incorporate domain modeling into software development.

You can use this book to design a house for yourself with your family; you can use it to work with your neighbors to improve your town and neighborhood; you can use it to design an office, or a workshop, or a public building. And you can use it to guide you in the actual process of construction. After a ten-year silence, Christopher Alexander and his colleagues at the Center for Environmental Structure are now publishing a major statement in the form of three books which will, in their words, "lay the basis for an entirely new approach to architecture, building and planning, which will we hope replace existing ideas and practices entirely." The three books are *The Timeless Way of Building*, *The Oregon Experiment*, and this book, *A Pattern Language*. At the core of these books is the idea that people should design for themselves their own houses, streets, and communities. This idea may be radical (it implies a radical transformation of the architectural profession) but it comes simply from the observation that most of the wonderful places of the world were not made by architects but by the people. At the core of the books, too, is the point that in designing their environments people always rely on certain "languages," which, like the languages we speak, allow them to articulate and communicate an infinite variety of designs within a forma system which gives them coherence. This book provides

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a language of this kind. It will enable a person to make a design for almost any kind of building, or any part of the built environment. "Patterns," the units of this language, are answers to design problems (How high should a window sill be? How many stories should a building have? How much space in a neighborhood should be devoted to grass and trees?). More than 250 of the patterns in this pattern language are given: each consists of a problem statement, a discussion of the problem with an illustration, and a solution. As the authors say in their introduction, many of the patterns are archetypal, so deeply rooted in the nature of things that it seems likely that they will be a part of human nature, and human action, as much in five hundred years as they are today. The overwhelming majority of a software system's lifespan is spent in use, not in design or implementation. So, why does conventional wisdom insist that software engineers focus primarily on the design and development of large-scale computing systems? In this collection of essays and articles, key members of Google's Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world. You'll learn the principles and practices that enable Google engineers to make systems more scalable, reliable, and efficient—lessons directly applicable to your organization. This book is divided into four sections: Introduction—Learn what site reliability engineering is and why it differs from conventional IT industry practices Principles—Examine the patterns,

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behaviors, and areas of concern that influence the work of a site reliability engineer (SRE) Practices—Understand the theory and practice of an SRE’s day-to-day work: building and operating large distributed computing systems Management—Explore Google’s best practices for training, communication, and meetings that your organization can use

SQLite is a small, fast, embeddable database. What makes it popular is the combination of the database engine and interface into a single library as well as the ability to store all the data in a single file. Its functionality lies between MySQL and PostgreSQL, however it is faster than both databases. In SQLite, author Chris Newman provides a thorough, practical guide to using, administering and programming this up-and-coming database. If you want to learn about SQLite or about its use in conjunction with PHP this is the book for you.

Over the last ten years, the ARM architecture has become one of the most pervasive architectures in the world, with more than 2 billion ARM-based processors embedded in products ranging from cell phones to automotive braking systems. A world-wide community of ARM developers in semiconductor and product design companies includes software developers, system designers and hardware engineers. To date no book has directly addressed their need to develop the system and software for an ARM-based system. This text fills that gap. This book provides a comprehensive description of the operation of the ARM core from a developer’s perspective with a clear emphasis on software. It demonstrates not only how to write efficient ARM

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software in C and assembly but also how to optimize code. Example code throughout the book can be integrated into commercial products or used as templates to enable quick creation of productive software. The book covers both the ARM and Thumb instruction sets, covers Intel's XScale Processors, outlines distinctions among the versions of the ARM architecture, demonstrates how to implement DSP algorithms, explains exception and interrupt handling, describes the cache technologies that surround the ARM cores as well as the most efficient memory management techniques. A final chapter looks forward to the future of the ARM architecture considering ARMv6, the latest change to the instruction set, which has been designed to improve the DSP and media processing capabilities of the architecture. * No other book describes the ARM core from a system and software perspective. * Author team combines extensive ARM software engineering experience with an in-depth knowledge of ARM developer needs. * Practical, executable code is fully explained in the book and available on the publisher's Website. * Includes a simple embedded operating system.

Windows Presentation Foundation (WPF) replaces Microsoft's diverse presentation technologies with a unified, state-of-the-art platform for building rich applications. WPF combines the best of Windows and the Web; fully integrates user interfaces, documents, and media; and leverages the full power of XML-based declarative programming. In Essential Windows Presentation Foundation, former WPF architect Chris

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Anderson systematically introduces this breakthrough platform, focusing on the concepts and techniques working developers need in order to build robust applications for real users. Drawing on his unique experience as an architect on the team, Anderson thoroughly illuminates the crucial new concepts underlying WPF and reveals how its APIs work together to offer developers unprecedented value. Through working sample code, you'll discover how WPF draws on the Web's simple models for markup and deployment, common frame for applications, and rich server connectivity, and on Windows' rich client model, simple programming model, strong control over look-and-feel, and rich networking. Topics explored in depth include WPF components and architecture Key WPF design decisions—and why they matter XAML markup language Controls Layouts Visuals and media, including 2D, 3D, video, and animation Data integration Actions Styles WPF Base Services

Provides a comprehensive guide to the language and core non-visual libraries of Embarcadero Delphi XE2, from basic language syntax to multithreading. Adopting an integrated approach, the book covers both newer and older features alongside one another; while it won't teach you how to program, it assumes little Delphi knowledge specifically. Includes coverage of XE2's support for Mac OS X.(Edition note: the printed version combines the three parts of the eBook version, which is available separately.)

44 reusable patterns to develop and deploy reliable production-quality microservices-based applications, with

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worked examples in Java Key Features 44 design patterns for building and deploying microservices applications Drawing on decades of unique experience from author and microservice architecture pioneer Chris Richardson A pragmatic approach to the benefits and the drawbacks of microservices architecture Solve service decomposition, transaction management, and inter-service communication Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About The Book Microservices Patterns teaches you 44 reusable patterns to reliably develop and deploy production-quality microservices-based applications. This invaluable set of design patterns builds on decades of distributed system experience, adding new patterns for composing services into systems that scale and perform under real-world conditions. More than just a patterns catalog, this practical guide with worked examples offers industry-tested advice to help you design, implement, test, and deploy your microservices-based application. What You Will Learn How (and why!) to use microservices architecture Service decomposition strategies Transaction management and querying patterns Effective testing strategies Deployment patterns This Book Is Written For Written for enterprise developers familiar with standard enterprise application architecture. Examples are in Java. About The Author Chris Richardson is a Java Champion, a JavaOne rock star, author of Manning's POJOs in Action, and creator of the original CloudFoundry.com. Table of Contents Escaping monolithic hell Decomposition strategies Interprocess

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communication in a microservice architecture Managing transactions with sagas Designing business logic in a microservice architecture Developing business logic with event sourcing Implementing queries in a microservice architecture External API patterns Testing microservices: part 1 Testing microservices: part 2 Developing production-ready services Deploying microservices Refactoring to microservices

The Book of R is a comprehensive, beginner-friendly guide to R, the world's most popular programming language for statistical analysis. Even if you have no programming experience and little more than a grounding in the basics of mathematics, you'll find everything you need to begin using R effectively for statistical analysis. You'll start with the basics, like how to handle data and write simple programs, before moving on to more advanced topics, like producing statistical summaries of your data and performing statistical tests and modeling. You'll even learn how to create impressive data visualizations with R's basic graphics tools and contributed packages, like ggplot2 and ggvis, as well as interactive 3D visualizations using the rgl package. Dozens of hands-on exercises (with downloadable solutions) take you from theory to practice, as you learn: –The fundamentals of programming in R, including how to write data frames, create functions, and use variables, statements, and loops –Statistical concepts like

exploratory data analysis, probabilities, hypothesis tests, and regression modeling, and how to execute them in R –How to access R’s thousands of functions, libraries, and data sets –How to draw valid and useful conclusions from your data –How to create publication-quality graphics of your results Combining detailed explanations with real-world examples and exercises, this book will provide you with a solid understanding of both statistics and the depth of R’s functionality. Make The Book of R your doorway into the growing world of data analysis.

Windows Forms 2.0 Programming is the successor to the highly praised Windows Forms Programming in C#. This edition has been significantly updated to amalgamate the sheer mass of new and improved support that is encompassed by Windows Forms 2.0, the .NET Framework 2.0, and Visual Studio 2005. This is the one book developers need in order to learn how to build and deploy leading-edge Windows Forms 2.0 applications. Readers will gain a deep understanding from Sells and Weinhardt’s practical, well-balanced approach to the subject and clear code samples.

- Windows Forms 2.0 fundamentals, including forms, dialogs, data validation, help, controls, components, and rendering
- Static and dynamic layout, snap lines, HTML-style flow and table layout, automatic resizing, and automatic cross-DPI scaling
- Office 2003-style tool strip control coverage, including dynamic layout and

custom rendering • Design-time integration with the Visual Studio 2005 Properties Window and Smart Tags • Resource management, strongly typed resources, and internationalization considerations • Strongly typed application and user settings • SDI, MDI, Single Instancing, Multiple-Instance SDI, Single-Instance MDI, database-centric, and document-centric applications • Databinding data-source management, drag-and-drop databinding, the BindingSource, the BindingNavigator, and applied databinding • Events, delegates, multithreaded UIs, long-running operations, simplified multithreading with the BackgroundWorker, and asynchronous web service calls • ClickOnce application development publishing, shell integration, and partial trust security • Best practices for developers transitioning from Windows Forms 1.0 and MFC

This Handbook approaches Chinese Studies from an interdisciplinary perspective while attempting to establish a fundamental set of core values and tenets for the subject, in relation to the further development of Chinese Studies as an academic discipline. It aims to consolidate the current findings in Chinese Studies, extract the essence from each affiliated discipline, formulate a concrete set of ideas to represent the 'Chineseness' of the subject, establish a clear identity for the discipline and provide clear guidelines for further research and practice. Topics included in this Handbook cover a

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wide spectrum of traditional and newly added concerns in Chinese Studies, ranging from the Chinese political system and domestic governance to international relations, Chinese culture, literature and history, Chinese sociology (gender, middle class, nationalism, home ownership, dating) and Chinese opposition and activism. The Handbook also looks at widening the scope of Chinese Studies (Chinese psychology, postcolonialism and China, Chinese science and climate change), and some illustrations of innovative Chinese Studies research methods. The Routledge Handbook of Chinese Studies is an essential reference for researchers and scholars in Chinese Studies, as well as students in the discipline.

Laying the foundation for a solid understanding of Web design, this book weaves together industry best practices and standards-based design techniques. It is built on practical examples and short exercises crafted to help readers learn quickly and retain information. Starting with the basics this book teaches: Internet fundamentals Planning, content strategy, and information architecture HTML and CSS Accessibility Created by the education luminaries that brought you the revolutionary InterACT curriculum (<http://interact.webstandards.org>) and the Opera Web Standards Curriculum (<http://opera.com/wsc>), and the experts that power The Web Standards

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Project, this book is the definitive guide to learning the basics of web design. Its emphasis on practical and proven techniques make it the go-to guide that every aspiring web professional needs to succeed in their career. 25% of all author proceeds from this book will be donated to The Open Web Education Alliance (<http://www.w3.org/2005/Incubator/owea/>) to help advance web education around the world. The official concise reference to Frequently Asked Questions about the Eclipse development environment.

A pioneer in the field of game design and development draws on his own experiences to present a useful collection of insider tips, wisdom, advice, skills, and techniques, along with an overview of the history of game programming, low and high interactivity designs, the importance of storytelling, and more. Original. (Intermediate) "PHP Web Application Security" helps readers build secure Web applications, using Apache and MySQL along with PHP 5. The book details the attacks that hackers use against Web sites, and shows how to correctly configure Apache and PHP to guard against them.

Adventure Education is a form of experiential learning typically associated with activities involving risk, from cooperative games such as raft building to high adventure activities such as rock climbing. Adventure Education: An Introduction provides a

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comprehensive introduction to the planning, delivery and evaluation of Adventure Education, with a strong emphasis on professional practice and delivery.

Written by a team of leading Adventure Educators who can draw upon an extensive experience base, the book explores the most important strategies for teaching, learning and implementation in Adventure Education. The book is fully illustrated throughout with real-world case studies and research surveying the key contemporary issues facing Adventure Education Practitioners. This includes essentials for the adventure educator such as risk management and tailoring activities to meet specific learning needs, as well as providing an insight into contemporary uses for adventure programmes. With outdoor and adventure activities being more popular than ever before, this book is essential reading for any student, teacher or practitioner looking to understand Adventure Education and develop their professional skills.

The online economy offers challenges to traditional businesses as well as incredible opportunities. Chris Anderson makes the compelling case that in many instances businesses can succeed best by giving away more than they charge for. Known as "Freemium," this combination of free and paid is emerging as one of the most powerful digital business models. In *Free*, Chris Anderson explores this radical idea for the new global economy and demonstrates how it can be harnessed for the benefit of consumers and businesses alike. In the twenty-first century, Free is more

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than just a promotional gimmick: It's a business strategy that is essential to a company's successful future. Download the audiobook of Free for free! Details inside the book.

It takes a graveyard to raise a child. Nobody Owens, known as Bod, is a normal boy. He would be completely normal if he didn't live in a graveyard, being raised by ghosts, with a guardian who belongs to neither the world of the living nor the dead. There are adventures in the graveyard for a boy—an ancient Indigo Man, a gateway to the abandoned city of ghouls, the strange and terrible Sleer. But if Bod leaves the graveyard, he will be in danger from the man Jack—who has already killed Bod's family.

With this practical book, AI and machine learning practitioners will learn how to successfully build and deploy data science projects on Amazon Web Services. The Amazon AI and machine learning stack unifies data science, data engineering, and application development to help level up your skills. This guide shows you how to build and run pipelines in the cloud, then integrate the results into applications in minutes instead of days. Throughout the book, authors Chris Fregly and Antje Barth demonstrate how to reduce cost and improve performance. Apply the Amazon AI and ML stack to real-world use cases for natural language processing, computer vision, fraud detection, conversational devices, and more Use automated machine learning to implement a specific subset of use cases with SageMaker Autopilot Dive deep into the complete model development lifecycle for a BERT-based NLP use case including data ingestion, analysis, model training, and deployment Tie everything together into a repeatable machine learning operations pipeline Explore real-time ML, anomaly detection, and streaming analytics on data streams with Amazon Kinesis and Managed Streaming for Apache Kafka Learn security best practices for data science projects and

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workflows including identity and access management, authentication, authorization, and more

SQL Server and ADO Programming Complete is a one-of-a-kind book--valuable both for its broad content and its low price. The book contains the essentials of building database applications with SQL Server, ADO, and Visual Basic--from database basics to OLAP and Analysis Services. With SQL Server and ADO Programming Complete, you'll learn everything you need to know for database programming, including database access with ADO and Visual Basic as well as Web and XML database development. The book also details SQL Server and Visual Basic programming and interactions. Get up to speed on the ADO Object Model and controlling transactions in ASP, use this knowledge to build an online store, and soon you'll be an expert! SQL Server and ADO Programming Complete introduces you to the work of some of Sybex's finest authors, so you'll know where to go to learn even more about SQL Server and ADO programming with Visual Basic.

- The WinForms team at Microsoft praises Chris as a definitive authority; Microsoft has named Chris one of eight Software Legends - The content and structure are based on years of experience both building apps with WinForms as well as teaching other developers about WinForms - Alan Cooper, the 'father of Visual Basic', has provided the foreword for the book

Delivers sophisticated technical knowledge necessary for third party and customized application development and deployment within a more flexible architecture. Includes reusable code and a standard preconfiguration which can be adapted to the specific business needs of the company in which it is being installed. Special "Developer's Corner" sections provide real-world/practical development advice for creating great software in the most efficient way.

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'Wow!!! Wow!!!! Wow!!! This book is a total page-turner and will keep you guessing with every page. Halfway through I thought I had it figured out and then BAM! The ending floored me... I just loved this book.' NetGalley reviewer, 5 stars You never know what's happening behind closed doors... Freya loves her new home on a quiet suburban street. And her beautiful neighbour Emily is everything she's ever wanted in a best friend. Finally, she has somebody to share her secrets with over a glass of wine. But as Freya watches her new friend setting the table for dinner one evening, she sees something shocking that makes her think that Emily's life might not be as perfect as it seems. Days later, Emily and her daughter vanish... When you meet Emily's husband, you will think you know what he's hiding. You will ask yourself whether Emily and Freya really did meet by chance. You will think you know what happened to Emily and her little girl the night they went missing. But when you discover the truth, it will shake you to your core and you will lie awake at night wondering if you can ever really trust the people in the house next door... Fans of Claire McGowan, Shalini Boland and Lisa Jewell will love the gripping tension and unexpected twists of The New Home. Once you start reading, you'll be hooked! What readers are saying about The New Home: 'A heart-stopping read of determination against all odd... Had me on the edge of my seat and holding my breath. Hang on for the ride!' Nicki's Book Blog 'My goodness this book grabbed me and didn't let go! Just when I thought I knew what was going on it through in another twist and I was left completely gob-smacked again!' NetGalley reviewer, 5 stars 'This wild ride took me surprise so many times. You think you know what's going on.... Then BAM it's not what you're thinking!... WOW! Amazing, great, wonderful read!' @oh.happy.reading, 5 stars 'Wow, wow, wow... I absolutely loved the story line.' NetGalley reviewer, 5 stars 'Let me just say wow... I love

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when I think I know and a freakin' twist comes and turns it all around. I can highly recommend.' @latteandabook, 5 stars 'Spine-tingling. You will not be able to put this down... I devoured this book.' @bookish_expressions, 5 stars 'I absolutely loved this one. I was on the edge of my seat until the last page.' NetGalley reviewer, 5 stars 'Bloody hell! What a story!... You think you're got it figured out... only to have the rug pulled from under your feet.' NetGalley reviewer 'I could not put this one down. Each chapter kept me wanting more.' @_Ifthereviewfits, 5 stars 'I absolutely loved this gripping psychological thriller. I kept turning the pages of this thrilling story until it reached it's shocking and brilliant ending.' Goodreads reviewer, 5 stars 'Intense and just utterly brilliant.' @robyne_reads, 5 stars 'Definitely a must-read!... There was an audible 'I didn't see that coming!' as I flew through it in one sitting.' Goodreads reviewer 'A twisty wild ride of a thriller!' Goodreads reviewer 'Constantly keeps you guessing. As I was reading, I literally began doubting everyone and everything!! The pages fly by.' Goodreads reviewer, 5 stars 'I couldn't put it down!... Keeps you guessing.' Goodreads reviewer, 5 stars 'Filled with spine-tingling suspense.' Confessions of a Bookaholic 'I LOVED this book... incredibly tense and suspenseful.' Sue Watson 'Unrelenting tension from beginning to end.' S.E. Lynes

To keep programming productive and enjoyable, state-of-the-art practices and principles are essential. Object-oriented programming and design help manage complexity by keeping components cleanly separated. Unit testing helps prevent endless, exhausting debugging sessions. Refactoring keeps code supple and readable. PHP offers all this-and more. PHP in Action shows you how to apply PHP techniques and principles to all the most common challenges of web programming, including: Web presentation and templates User interaction including the Model-View-Controller

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architecture Input validation and form handling Database connection and querying and abstraction Object persistence Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Krakauer's page-turning bestseller explores a famed missing person mystery while unraveling the larger riddles it holds: the profound pull of the American wilderness on our imagination; the allure of high-risk

activities to young men of a certain cast of mind; the complex, charged bond between fathers and sons. "Terrifying... Eloquent... A heart-rending drama of human yearning." —New York Times In April 1992 a young man from a well-to-do family hitchhiked to Alaska and walked alone into the wilderness north of Mt. McKinley. He had given \$25,000 in savings to charity, abandoned his car and most of his possessions, burned all the cash in his wallet, and invented a new life for himself. Four months later, his decomposed body was found by a moose hunter. How Christopher Johnson McCandless came to die is the unforgettable story of *Into the Wild*.

Immediately after graduating from college in 1991, McCandless had roamed through the West and Southwest on a vision quest like those made by his heroes Jack London and John Muir. In the Mojave Desert he abandoned his car, stripped it of its license plates, and burned all of his cash. He would give himself a new name, Alexander Supertramp, and, unencumbered by money and belongings, he would be free to wallow in the raw, unfiltered experiences that nature presented. Craving a blank spot on the map, McCandless simply threw the maps away. Leaving behind his desperate parents and sister, he vanished into the wild. Jon Krakauer constructs a clarifying prism through which he reassembles the disquieting facts of McCandless's short life. Admitting an interest that borders on

obsession, he searches for the clues to the drives and desires that propelled McCandless. When McCandless's innocent mistakes turn out to be irreversible and fatal, he becomes the stuff of tabloid headlines and is dismissed for his naiveté, pretensions, and hubris. He is said to have had a death wish but wanting to die is a very different thing from being compelled to look over the edge. Krakauer brings McCandless's uncompromising pilgrimage out of the shadows, and the peril, adversity, and renunciation sought by this enigmatic young man are illuminated with a rare understanding--and not an ounce of sentimentality. Mesmerizing, heartbreaking, *Into the Wild* is a tour de force. The power and luminosity of Jon Krakauer's stoytelling blaze through every page.

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Despite the Great Recession, slightly different forms of global capitalism are still portrayed as the only game in town by the vast majority of people in power in the world today. Unbridled growth, trade liberalisation, and competition are advocated as the only or best ways of organizing the contemporary world. Unemployment, yawning gaps between rich and poor, political disengagement, and environmental devastation are too often seen as acceptable 'side effects' of the dominance of neo-liberalism. But the reality is that capitalism has always been contested and that people have created

many other ways of providing for themselves. This book explores economic and organizational possibilities which extend far beyond the narrow imagination of economists and management theorists. Chapters on co-operatives, community currencies, the transition movement, scrounging, co-housing and much more paints a rich picture of the ways in which another world is not only possible, but already taking shape. The aim of this companion is to move beyond complaining about the present and into exploring this diversity of organisational possibilities. Our starting point is a critical analysis of contemporary global capitalism is merely the opening for thinking about organizing as a form of politics by other means, and one that can be driven by the values of solidarity, freedom and responsibility. This comprehensive companion with an international cast of contributors gives voice to forms of organizing which remain unrepresented or marginalised in organizational studies and conventional politics, yet which offer more promising grounds for social and environmental justice. It is a valuable resource for students, activists and researchers interested in alternative approaches to economy and society in a variety of disciplinary and interdisciplinary fields.

A practical field guide to the practice of scrum, an agile software project management methodology. Get up to speed on the principal technologies in the

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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

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

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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.

HTTP is the protocol that powers the Web. As Web applications become more sophisticated, and as emerging technologies continue to rely heavily on HTTP, understanding this protocol is becoming more and more essential for professional Web developers. By learning HTTP protocol, Web developers gain a deeper understanding of the Web's architecture and can create even better Web applications that are more reliable, faster, and more secure. The HTTP Developer's Handbook is written specifically for Web developers. It begins by introducing the protocol and explaining it in a straightforward manner. It then illustrates how to leverage this information to improve applications. Extensive information and examples are given covering a wide variety of issues, such as state and session management,

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caching, SSL, software architecture, and application security.

This is the first textbook on pattern recognition to present the Bayesian viewpoint. The book presents approximate inference algorithms that permit fast approximate answers in situations where exact answers are not feasible. It uses graphical models to describe probability distributions when no other books apply graphical models to machine learning. No previous knowledge of pattern recognition or machine learning concepts is assumed. Familiarity with multivariate calculus and basic linear algebra is required, and some experience in the use of probabilities would be helpful though not essential as the book includes a self-contained introduction to basic probability theory.

No source code? No problem. With IDA Pro, the interactive disassembler, you live in a source code-optional world. IDA can automatically analyze the millions of opcodes that make up an executable and present you with a disassembly. But at that point, your work is just beginning. With *The IDA Pro Book*, you'll learn how to turn that mountain of mnemonics into something you can actually use. Hailed by the creator of IDA Pro as "profound, comprehensive, and accurate," the second edition of *The IDA Pro Book* covers everything from the very first steps to advanced automation techniques. You'll find complete coverage of IDA's new Qt-based user interface, as well as increased coverage of the IDA debugger, the Bochs debugger, and IDA scripting (especially using IDAPython). But because humans are still smarter than computers, you'll even

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learn how to use IDA's latest interactive and scriptable interfaces to your advantage. Save time and effort as you learn to: –Navigate, comment, and modify disassembly –Identify known library routines, so you can focus your analysis on other areas of the code –Use code graphing to quickly make sense of cross references and function calls –Extend IDA to support new processors and filetypes using the SDK –Explore popular plug-ins that make writing IDA scripts easier, allow collaborative reverse engineering, and much more –Use IDA's built-in debugger to tackle hostile and obfuscated code Whether you're analyzing malware, conducting vulnerability research, or reverse engineering software, a mastery of IDA is crucial to your success. Take your skills to the next level with this 2nd edition of The IDA Pro Book.

This much-anticipated revision, written by the ultimate group of top security experts in the world, features 40 percent new content on how to find security holes in any operating system or application New material addresses the many new exploitation techniques that have been discovered since the first edition, including attacking "unbreakable" software packages such as McAfee's Enterccept, Mac OS X, XP, Office 2003, and Vista Also features the first-ever published information on exploiting Cisco's IOS, with content that has never before been explored The companion Web site features downloadable code files

When Vladimir Putin first took power in 1999, he was a little-known figure ruling a country that was reeling from a decade and a half of crisis. In the years since, he has

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reestablished Russia as a great power. How did he do it? What principles have guided Putin's economic policies? What patterns can be discerned? In this new analysis of Putin's Russia, Chris Miller examines its economic policy and the tools Russia's elite have used to achieve its goals. Miller argues that despite Russia's corruption, cronyism, and overdependence on oil as an economic driver, Putin's economic strategy has been surprisingly successful. Explaining the economic policies that underwrote Putin's two-decades-long rule, Miller shows how, at every juncture, Putinomics has served Putin's needs by guaranteeing economic stability and supporting his accumulation of power. Even in the face of Western financial sanctions and low oil prices, Putin has never been more relevant on the world stage.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Used by sites as varied as Twitter, GitHub, Disney, and Airbnb, Ruby on Rails is one of the most popular frameworks for developing web applications, but it can be challenging to learn and use. Whether you're new to web development or new only to Rails, Ruby on Rails™ Tutorial, Fourth Edition, is the solution. Best-selling author and leading Rails developer Michael Hartl teaches Rails by guiding you through the development of three example applications of increasing sophistication. The tutorial's examples focus on the general principles of web development needed for virtually any kind of website. The updates to this edition include full compatibility with Rails 5, a division of the largest

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chapters into more manageable units, and a huge number of new exercises interspersed in each chapter for maximum reinforcement of the material. This indispensable guide provides integrated tutorials not only for Rails, but also for the essential Ruby, HTML, CSS, and SQL skills you need when developing web applications. Hartl explains how each new technique solves a real-world problem, and then he demonstrates it with bite-sized code that's simple enough to understand, yet novel enough to be useful. Whatever your previous web development experience, this book will guide you to true Rails mastery. This book will help you Install and set up your Rails development environment, including pre-installed integrated development environment (IDE) in the cloud Go beyond generated code to truly understand how to build Rails applications from scratch Learn testing and test-driven development (TDD) Effectively use the Model-View-Controller (MVC) pattern Structure applications using the REST architecture Build static pages and transform them into dynamic ones Master the Ruby programming skills all Rails developers need Create high-quality site layouts and data models Implement registration and authentication systems, including validation and secure passwords Update, display, and delete users Upload images in production using a cloud storage service Implement account activation and password reset, including sending email with Rails Add social features and microblogging, including an introduction to Ajax Record version changes with Git and create a secure remote repository at Bitbucket Deploy your applications early and often with

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Heroku

Stephen King's legendary debut, the bestselling smash hit that put him on the map as one of America's favorite writers "Gory and horrifying. . . . You can't put it down." —Chicago Tribune Unpopular at school and subjected to her mother's religious fanaticism at home, Carrie White does not have it easy. But while she may be picked on by her classmates, she has a gift she's kept secret since she was a little girl: she can move things with her mind. Doors lock. Candles fall. Her ability has been both a power and a problem. And when she finds herself the recipient of a sudden act of kindness, Carrie feels like she's finally been given a chance to be normal. She hopes that the nightmare of her classmates' vicious taunts is over . . . but an unexpected and cruel prank turns her gift into a weapon of horror so destructive that the town may never recover.

The book introduces the TypeScript language and its features to anyone looking to develop rich web applications. Whether you are new to web development or are an experienced engineer with strong JavaScript skills, this book will get you writing code quickly. A basic understanding of JavaScript and its language features are necessary for this book.

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