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run frictionless helps founders scale out of a sales role, using a decision-making framework called the 4Qs. The mistake founders and high performing salespeople make is trying to scale up the business by replacing themselves with another human being. Simply, there isn't another human like you looking for a job. Those who are good at selling are busy doing their own startup, not working for you. Scale up a business and free the founder of sales

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role There are a few things you can try to free a founder from a sales role. One. Don't worry, keep growing. Two. Stop growing the business. Or three, hire a replacement. These are not effective! Over time they will fail you.run frictionless presents an alternative - an option nobody is talking about. Scaling the business with a sales system.A sales system spells out the formula required to make a customer, in a clearly understood sequence. It is similar to a sales funnel or sales process, only more comprehensive. It will tell you the precise number of interactions required to make a customer. If you

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serve small businesses, this could be 15 interactions. If you serve enterprise forms it could number 25 or more interactions. Predict sales. Distill a sale process to a handful of customer interactions you can teach the whole organization. Win a customer, and know why you won that customer. Get more leads. The book offers several pre-designed customer flows to improve sales you can use right away. Imagine how much business you're turning away, simply because you're not starting conversations with customers the way they want. Better decision-making. If you are going to

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free the founder, staff have to learn to think like the founder. Make everyone accountable with an easy-to-use framework called the 4Qs. Sell 24/7.

Automation moves the customers through a sales system even when the salesforce or founder is not at their desk. Scaling up the startup with a sales system A sales system is key to scaling up a startup. If staff follow the formula, you can predict the odds of creating a customer. Imagine a sales system as a series of dials. Turn the dials and you make an improvement. It is not uncommon to improve sales by 25 percent just by turning a dial. You didn't re-

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engineer the business or substitute staff. Building lasting sales teams Another benefit of a sales system is it augments your workforce. The best people are working on the highest value tasks, and other tasks can be carried out by less experienced folk. The intellectual property of how a customer is made is in the sales system. Each salesperson needs only understand the part of the system where they contribute. Design your own sales system run frictionless will teach you how to design a sales system, using a framework called the 4Qs. It doesn't matter if you are a fintech startup or a traditional

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medical practice operating for five years. The 4Qs will take what you know intuitively and organize this knowledge into four powerful quadrants, making it easy to run frictionless.

This book closes the gap for beginners who want to study the Amharic language and had difficulties in finding the right grammar for this purpose: The first grammar of Amharic, the national language of Ethiopia, was published by Hiob Ludolf in 1698. The Amharic grammar published by Praetorius in 1879 is based on Amharic religious texts and on scattered material, usually composed by

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missionaries. A milestone in the study of Amharic is Marcel Cohen's *Traite de langue amharique* (1936), but this grammar, too is not completely suited for beginners since the author's generalizations are at times aimed at linguists. The grammar that comes closest to the concept of a beginner's grammar is that of C.H. Dawkin (1960), yet this grammar is extremely short, does not give examples and does not introduce the student to the intricacies of the language. The new book gives all the grammatical forms and the sentences of the present grammar in Amharic script and in phonetic transcription. The

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illustrative examples have a free and a literal translation. This procedure should likewise prove to be useful for the Semitist as well as for the general linguist.

Service-oriented computing is an emerging factor in IT research and development. Organizations like W3C and the EU have begun research projects to develop industrial-strength applications. This book offers a thorough, practical introduction to one of the most promising approaches – the Web Service Modeling Ontology (WSMO). After a brief review of technologies and standards of the Worldwide Web,

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the Semantic Web, and Web Services, the book examines WSMO from the fundamentals to applications in e-commerce, e-government and e-banking; it also describes its relation to OWL-S and WSDL-S and other applications. The book offers an up-to-date introduction, plus pointers to future applications.

Semantic agent systems are about the integration of the semantic Web, software agents, and multi-agent systems technologies. Like in the past (e.g. biology and informatics yielding bioinformatics) a whole new perspective is emerging with semantic

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agent systems. In this context, the semantic Web is a Web of semantically linked data which aims to enable man and machine to execute tasks in tandem. Here, software agents in a multi-agent system as delegates of humans are endowed with power to use semantically linked data. This edited book “ Semantic Agent Systems: Foundations and Applications ” proposes contributions on a wide range of topics on foundations and applications written by a selection of international experts. It first introduces in an accessible style the nature of semantic agent systems. Then it explores with

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numerous illustrations new frontiers in software agent technology. “ Semantic Agent Systems: Foundations and Applications ” is recommended for scientists, experts, researchers, and learners in the field of artificial intelligence, the semantic Web, software agents, and multi-agent systems technologies.

Building Microservices

On Java 8

Wireless Mobile Communication and Healthcare
Research Anthology on Architectures, Frameworks,
and Integration Strategies for Distributed and

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Cloud Computing

Mule in Action

Distributed and Cloud Computing

The Story of Wipro

Annotation Over the past 10 years, distributed systems have become more fine-grained. From the large multi-million line long monolithic applications, we are now seeing the benefits of smaller self-contained services. Rather than heavy-weight, hard to change Service Oriented Architectures, we are now seeing systems consisting of collaborating microservices. Easier

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to change, deploy, and if required retire, organizations which are in the right position to take advantage of them are yielding significant benefits. This book takes a holistic view of the things you need to be cognizant of in order to pull this off. It covers just enough understanding of technology, architecture, operations and organization to show you how to move towards finer-grained systems.

This book presents an in-depth description of the Arrowhead Framework and how it fosters interoperability between IoT devices at service level, specifically addressing application. The

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Arrowhead Framework utilizes SOA technology and the concepts of local clouds to provide required automation capabilities such as: real time control, security, scalability, and engineering simplicity. Arrowhead Framework supports the realization of collaborative automation; it is the only IoT Framework that addresses global interoperability across multiple SOA technologies. With these features, the Arrowhead Framework enables the design, engineering, and operation of large automation systems for a wide range of applications utilizing IoT and CPS technologies. The book provides

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application examples from a wide number of industrial fields e.g. airline maintenance, mining maintenance, smart production, electro-mobility, automotive test, smart cities—all in response to EU societal challenges. Features Covers the design and implementation of IoT based automation systems. Industrial usage of Internet of Things and Cyber Physical Systems made feasible through Arrowhead Framework. Functions as a design cookbook for building automation systems using IoT/CPS and Arrowhead Framework. Tools, templates, code etc. described in the book will be accessible

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through open sources project Arrowhead Framework Wiki at forge.soa4d.org/ Written by the leading experts in the European Union and around the globe.

Use the many types of tools required to navigate and maintain a microservice ecosystem. This book examines what is normally a complex system of interconnected services and clarifies them one at a time, first examining theoretical requirements then looking at concrete tools, configuration, and workflows. Building out these systems includes many concerns such as containerization, container orchestration, build

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pipelines and continuous integration solutions, automated testing, service discovery, logging and analytics. You will examine each of these tools and understand how they can be combined within an organization. You will design an automated build pipeline from Pull Request to container deployment, understand how to achieve High Availability and monitor application health with Service Discovery, and learn how to collaborate with other teams, write documentation, and describe bugs. Covering use of Jenkins, Docker, Kubernetes, the ELK stack (Elasticsearch, Logstash, and Kibana), and

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StatsD and Grafana for analytics, you will build on your existing knowledge of Service-Oriented Architecture and gain an advanced, practical understanding of everything from infrastructure development to team collaboration. What You'll Learn Design an API to be convenient for developers to consume. Deploy dynamic instances of Microservices and allow them to discover each other. Track the health of a Microservice and be notified in case of degraded performance. Write effective documentation and communicate efficiently with other teams. Who This Book Is For Those who would like a better

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understanding of System Oriented Architecture. Those who would like to break a monolith into smaller Microservices. Those who are familiar with Microservices and would like a better understanding of peripheral technologies. This book constitutes the refereed proceedings of the 5th International Symposium on Rules, RuleML 2011 - Europe, held in Barcelona, Spain, in July 2011 - collocated with the 22nd International Joint Conference on Artificial Intelligence, IJCAI 2011. It is the first of two RuleML events that take place in 2011. The second RuleML Symposium - RuleML 2011 -

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America - will be held in Fort Lauderdale, FL, USA, in November 2011. The 18 revised full papers, 8 revised short papers and 3 invited track papers presented together with the abstracts of 2 keynote talks were carefully reviewed and selected from 58 submissions. The papers are organized in the following topical sections: rule-based distributed/multi-agent systems; rules, agents and norms; rule-based event processing and reaction rules; fuzzy rules and uncertainty; rules and the semantic Web; rule learning and extraction; rules and reasoning; and rule-based applications.

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Run frictionless: How to Free a Founder from a Sale Role

5th International Symposium, RuleML 2011 - Europe, Barcelona, Spain, July 19-21, 2011, Proceedings

XQuery Kick Start

IoT Automation

Principles, Systems and Applications

Rule - Based Modeling and Computing on the Semantic Web

Cloud Computing

Build data-intensive React applications with ease using GraphQL and Relay
About This Book* Take your React

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**applications to the next level with GraphQL and Relay*
Make your React applications speak to the back end*
Explore the concepts of data fetching, data handling, and
more* Build data-intensive applications* Learn to deploy
your applications, which are compliant with GraphQL and
RelayWho This Book Is ForThis book is perfect for those
who have no prior experience or familiarity with Relay
and/or GraphQL. You should be comfortable writing
NodeJS applications on a MongoDB database with REST
APIs as well as applications on the client-side using
React and ES2015.What You Will Learn* Understand what
problem GraphQL solves and how it differs from
traditional REST architectures* Create a GraphQL server*
Develop modular and maintainable GraphQL code* Grasp**

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how to define GraphQL mutations* Comprehend how to define GraphQL queries* Modify a GraphQL server to be Relay-compliant* Develop a Relay client-side application with ReactJS that consumes a GraphQL endpointIn DetailThe book begins by building a solid foundation in the GraphQL specification (defining and executing data queries, and creating data sources) and then swiftly moves to how a data layer can be implemented for your web application using Relay.For years, REST has been the de facto choice for implementing APIs and while REST is a great option, it's not without its problems. Facebook solved many of these problems by developing the GraphQL specification and made it open source along with RelayJS, a React library for querying a server

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that implements the GraphQL specification. This book will take you from having no prior experience or just a familiarity with Relay and/or GraphQL to being able to build a production-ready application using both. One of the major challenges faced by React is data initialization, which is solved by GraphQL and Relay. While GraphQL is a data querying specification, Relay is the data fetching library that implements communicating with the GraphQL server to build data-intensive applications. We cover various concepts such as creating data containers, data masking, and more. Towards the end of the book, we will empower you to build a production-ready application.. You will also understand how you can deploy your GraphQL/Relay application on Heroku. By the end of the

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book, you'll have gained enough experience building an app with GraphQL and Relay to feel comfortable and to obtain mastery.

Job titles like “Technical Architect” and “Chief Architect” nowadays abound in software industry, yet many people suspect that “architecture” is one of the most overused and least understood terms in professional software development. Gorton’s book tries to resolve this dilemma. It concisely describes the essential elements of knowledge and key skills required to be a software architect. The explanations encompass the essentials of architecture thinking, practices, and supporting technologies. They range from a general understanding of structure and quality attributes through technical

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issues like middleware components and service-oriented architectures to recent technologies like model-driven architecture, software product lines, aspect-oriented design, and the Semantic Web, which will presumably influence future software systems. This second edition contains new material covering enterprise architecture, agile development, enterprise service bus technologies, RESTful Web services, and a case study on how to use the MeDICi integration framework. All approaches are illustrated by an ongoing real-world example. So if you work as an architect or senior designer (or want to someday), or if you are a student in software engineering, here is a valuable and yet approachable knowledge source for you.

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Summary Camel in Action, Second Edition is the most complete Camel book on the market. Written by core developers of Camel and the authors of the highly acclaimed first edition, this book distills their experience and practical insights so that you can tackle integration tasks like a pro. Forewords by James Strachan and Dr. Mark Little Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Apache Camel is a Java framework that implements enterprise integration patterns (EIPs) and comes with over 200 adapters to third-party systems. A concise DSL lets you build integration logic into your app with just a few lines of Java or XML. By using Camel, you benefit from the testing and

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experience of a large and vibrant open source community. About the Book Camel in Action, Second Edition is the definitive guide to the Camel framework. It starts with core concepts like sending, receiving, routing, and transforming data. It then goes in depth on many topics such as how to develop, debug, test, deal with errors, secure, scale, cluster, deploy, and monitor your Camel applications. The book also discusses how to run Camel with microservices, reactive systems, containers, and in the cloud. What's Inside Coverage of all relevant EIPs Camel microservices with Spring Boot Camel on Docker and Kubernetes Error handling, testing, security, clustering, monitoring, and deployment Hundreds of examples in Java and XML About the Reader Readers

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should be familiar with Java. This book is accessible to beginners and invaluable to experts. About the Author Claus Ibsen is a senior principal engineer working for Red Hat specializing in cloud and integration. He has worked on Apache Camel for the last nine years where he heads the project. Claus lives in Denmark. Jonathan Anstey is an engineering manager at Red Hat and a core Camel contributor. He lives in Newfoundland, Canada.

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Part 4 - Going

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further with Camel Error handling Transactions and idempotency Parallel processing Securing Camel Part 5 - Running and managing Camel Running and deploying Camel Management and monitoring Part 6 - Out in the wild Clustering Microservices with Docker and Kubernetes Camel tooling Bonus online chapters Available at <https://www.manning.com/books/camel-in-?action=second-edition> and in electronic versions of this book: Reactive Camel Camel and the IoT by Henryk Konsek

IBM SPSS Modeler is a set of data mining tools that enable you to quickly develop predictive models using business expertise and deploy them into business operations to improve decision making. Designed around

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the industry-standard CRISP-DM model, IBM SPSS Modeler supports the entire data mining process, from data to better business results. IBM SPSS Modeler offers a variety of modeling methods taken from machine learning, artificial intelligence, and statistics. The methods available on the Modeling palette allow you to derive new information from your data and to develop predictive models. Each method has certain strengths and is best suited for particular types of problems. SPSS Modeler can be purchased as a standalone product, or used as a client in combination with SPSS Modeler Server. A number of additional options are also available, as summarized in the following sections. SPSS Modeler is a functionally complete version of the product that you

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install and run on your personal computer. You can run SPSS Modeler in local mode as a standalone product, or use it in distributed mode along with IBM SPSS Modeler Server for improved performance on large data sets. With SPSS Modeler, you can build accurate predictive models quickly and intuitively, without programming. Using the unique visual interface, you can easily visualize the data mining process. With the support of the advanced analytics embedded in the product, you can discover previously hidden patterns and trends in your data. You can model outcomes and understand the factors that influence them, enabling you to take advantage of business opportunities and mitigate risks.

New Designs Using Apache Kafka and Mapr Streams

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Punch

Distributed Messaging for Everyone

IBM Spss Modeler

Data-Intensive Computing

Essential Software Architecture

This book constitutes the refereed proceedings of the International RuleML Symposium, RuleML 2011-America, held in Fort Lauderdale, FL, USA, in November 2011 - collocated with the 22nd International Joint Conference on Artificial Intelligence, IJCAI 2011. It is the second of two RuleML events that take place in 2011. The first RuleML Symposium,

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RuleML 2011-Europe, has been held in Barcelona, Spain, in July 2011. The 12 full papers, 5 short papers and 5 invited track and position papers presented together with 3 keynote speeches were carefully reviewed and selected from numerous submissions. The accepted papers address a wide range of rules, semantic technology, and cross-industry standards, rules and automated reasoning, rule-based event processing and reaction rules, vocabularies, ontologies and business rules, cloud computing and rules, clinical semantics and rules.

Distributed systems intertwine with our everyday lives. The benefits and current shortcomings of the

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underpinning technologies are experienced by a wide range of people and their smart devices. With the rise of large-scale IoT and similar distributed systems, cloud bursting technologies, and partial outsourcing solutions, private entities are encouraged to increase their efficiency and offer unparalleled availability and reliability to their users. The Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing is a vital reference source that provides valuable insight into current and emergent research occurring within the field of distributed computing. It also presents architectures and service frameworks to achieve highly integrated

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distributed systems and solutions to integration and efficient management challenges faced by current and future distributed systems. Highlighting a range of topics such as data sharing, wireless sensor networks, and scalability, this multi-volume book is ideally designed for system administrators, integrators, designers, developers, researchers, academicians, and students.

"XQuery Kick Start" delivers a concise introduction to the XQuery standard, and useful implementation advice for developers needing to put it into practice. The book starts by explaining the role of XQuery in the XML family of specifications, and its relationship with

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XPath. The authors then explain the specification in detail, describing the semantics and data model, before moving to examples using XQuery to manipulate XML databases and document storage systems. Later chapters discuss Java implementations of XQuery and development tools that facilitate the development of Web sites with XQuery. This book is up to date with the latest XQuery specifications, and includes coverage of new features for extending the XQuery language. This book contains a selection of thoroughly refereed and revised papers from the Second International ICST Conference on Wireless and Mobile Communication in Healthcare, MobiHealth 2010, held in Ayia Napa,

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Cyprus, in October 2010. The 33 papers in this volume describe various applications of information and communication technologies in healthcare and medicine and cover a wide range of topics such as intelligent public health monitoring services, mobile health technologies, signal processing techniques for monitoring services, wearable biomedical devices, ambient assistive technologies, emergency and disaster applications, and integrated systems for chronic monitoring and management.

A Journey from 1945

Learning GraphQL and Relay

Intelligent Systems for Crisis Management

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Design Science Methodology for Information Systems
and Software Engineering

Enabling Semantic Web Services

The Pronunciation of English

Foundations and Applications

Summary RabbitMQ in Action is a fast-paced run through building and managing scalable applications using the RabbitMQ messaging server. It starts by explaining how message queuing works, its history, and how RabbitMQ fits in. Then it shows you real-world examples you can apply to your own scalability and interoperability challenges. About the Technology There's a virtual switchboard at the core

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of most large applications where messages race between servers, programs, and services. RabbitMQ is an efficient and easy-to-deploy queue that handles this message traffic effortlessly in all situations, from web startups to massive enterprise systems. About the Book RabbitMQ in Action teaches you to build and manage scalable applications in multiple languages using the RabbitMQ messaging server. It's a snap to get started. You'll learn how message queuing works and how RabbitMQ fits in. Then, you'll explore practical scalability and interoperability issues through many examples. By the end, you'll know how to make Rabbit run like a

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well-oiled machine in a 24 x 7 x 365 environment. Written for developers familiar with Python, PHP, Java, .NET, or any other modern programming language. No RabbitMQ experience required. 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. What's Inside Learn fundamental messaging design patterns Use patterns for on-demand scalability Glue a PHP frontend to a backend written in anything Implement a PubSub-alerting service in 30 minutes flat Configure RabbitMQ's built-in clustering Monitor, manage, extend, and tune RabbitMQ =====

===== Table of Contents Pulling RabbitMQ out of the hat Understanding messaging Running and administering Rabbit Solving problems with Rabbit: coding and patterns Clustering and dealing with failure Writing code that survives failure Warrens and Shovels: failover and replication Administering RabbitMQ from the Web Controlling Rabbit with the REST API Monitoring: Houston, we have a problem Supercharging and securing your Rabbit Smart Rabbits: extending RabbitMQ Describes ways to incorporate domain modeling into software development.

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The world is awash with digital data from social networks, blogs, business, science and engineering. Data-intensive computing facilitates understanding of complex problems that must process massive amounts of data. Through the development of new classes of software, algorithms and hardware, data-intensive applications can provide timely and meaningful analytical results in response to exponentially growing data complexity and associated analysis requirements. This emerging area brings many challenges that are different from traditional high-performance computing. This reference for computing professionals and

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researchers describes the dimensions of the field, the key challenges, the state of the art and the characteristics of likely approaches that future data-intensive problems will require. Chapters cover general principles and methods for designing such systems and for managing and analyzing the big data sets of today that live in the cloud and describe example applications in bioinformatics and cybersecurity that illustrate these principles in practice.

Mule 2: A Developer's Guide introduces the Mule 2.0 integration platform for developers of enterprise integration applications who wish to leverage Mule

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as a lightweight messaging framework that contains a distributable object broker for managing communication between applications. The book is based on insight, knowledge, and experience resulting from working with Mule. The text provides support, consulting, and training to developers implementing Mule in a broad range of scenarios ranging from small projects through to large corporations developing major deployments. The author(s) have also developed the official training materials for Mule.

Camel in Action

Semantic Agent Systems

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A Developer's Guide

Thesaurus of Traditional English Metaphors

Architectures, Algorithms, and Applications

Introductory Grammar of Amharic

Apache Camel Developer's Cookbook

Cloud computing continues to emerge as a subject of substantial industrial and academic interest.

Although the meaning and scope of “cloud computing” continues to be debated, the current notion of clouds blurs the distinctions between grid services, web services, and data centers, among other areas. Clouds also bring considerations of lowering the cost for relatively bursty applications to

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the fore. Cloud Computing: Principles, Systems and Applications is an essential reference/guide that provides thorough and timely examination of the services, interfaces and types of applications that can be executed on cloud-based systems. The book identifies and highlights state-of-the-art techniques and methods for designing cloud systems, presents mechanisms and schemes for linking clouds to economic activities, and offers balanced coverage of all related technologies that collectively contribute towards the realization of cloud computing. With an emphasis on the conceptual and systemic links between cloud computing and other distributed computing approaches, this text also addresses the

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practical importance of efficiency, scalability, robustness and security as the four cornerstones of quality of service. Topics and features: explores the relationship of cloud computing to other distributed computing paradigms, namely peer-to-peer, grids, high performance computing and web services; presents the principles, techniques, protocols and algorithms that can be adapted from other distributed computing paradigms to the development of successful clouds; includes a Foreword by Professor Mark Baker of the University of Reading, UK; examines current cloud-practical applications and highlights early deployment experiences; elaborates the economic schemes needed for clouds

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to become viable business models. This book will serve as a comprehensive reference for researchers and students engaged in cloud computing.

Professional system architects, technical managers, and IT consultants will also find this unique text a practical guide to the application and delivery of commercial cloud services. Prof. Nick Antonopoulos is Head of the School of Computing, University of Derby, UK. Dr. Lee Gillam is a Lecturer in the Department of Computing at the University of Surrey, UK.

"This book provides the research and instruction used to develop and implement software quickly, in small iteration cycles, and in close cooperation with

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the customer in an adaptive way, making it possible to react to changes set by the constant changing business environment. It presents four values explaining extreme programming (XP), the most widely adopted agile methodology"--Provided by publisher.

Summary Mule in Action, Second Edition is a totally-revised guide covering Mule 3 fundamentals and best practices. It starts with a quick ESB overview and then dives into rich examples covering core concepts like sending, receiving, routing, and transforming data. About the Technology An enterprise service bus is a way to integrate enterprise applications using a bus-like infrastructure. Mule is the leading open

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source Java ESB. It borrows from the Hohpe/Woolf patterns, is lightweight, can publish REST and SOAP services, integrates well with Spring, is customizable, scales well, and is cloud-ready. About the Book Mule in Action, Second Edition is a totally revised guide covering Mule 3 fundamentals and best practices. It starts with a quick ESB overview and then dives into rich examples covering core concepts like sending, receiving, routing, and transforming data. You'll get a close look at Mule's standard components and how to roll out custom ones. You'll also pick up techniques for testing, performance tuning, and BPM orchestration, and explore cloud API integration for SaaS applications. Written for developers, architects,

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and IT managers, this book requires familiarity with Java but no previous exposure to Mule or other ESBs. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Full coverage of Mule 3 Integration with cloud services Common transports, routers, and transformers Security, routing, orchestration, and transactions About the Authors David Dossot is a software architect and has created numerous modules and transports for Mule. John D'Emic is a principal solutions architect and Victor Romero a solutions architect, both at MuleSoft, Inc. Table of Contents PART 1 CORE MULE Discovering Mule Processing messages with Mule Working with

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connectors Transforming data with Mule Routing
data with Mule Working with components and
patterns PART 2 RUNNING MULE Integration
architecture with Mule Deploying Mule Exception
handling and transaction management with Mule
Securing Mule Tuning Mule PART 3 TRAVELING
FURTHER WITH MULE Developing with Mule
Writing custom cloud connectors and processors
Augmenting Mule with orthogonal technologies
Portrays the life and techniques of the master fashion
designer who developed new pattern making
techniques and designed her clothes around the
natural form instead of using corsets on her models
A Course Book

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5th International Symposium, RuleML 2011 -
America, Ft. Lauderdale, FL, USA, November 3-5,
2011, Proceedings

Madeleine Vionnet

Pro REST API Development with Node.js

A New Pocket Dictionary of the English & Spanish
Languages ...

Second International ICST Conference, MobiHealth
2010, Ayia Napa, Cyprus, October 18 - 20, 2010,
Revised Selected Papers

The Web Service Modeling Ontology

*Pro REST API Development with Node.js is your guide to
managing and understanding the full capabilities of
successful REST development. API design is a hot topic in*

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the programming world, but not many resources exist for developers to really understand how you can leverage the advantages. This book will provide a brief background on REST and the tools it provides (well known and not so well known). Understand how there is more to REST than just JSON and URLs. You will then cover and compare the maintained modules currently available in the npm community, including Express, Restify, Vatican, and Swagger. Finally you will code an example API from start to finish, using a subset of the tools covered. The Node community is currently flooded with modules; some of them are published once and never updated again - cluttering the entire universe of packages. Pro REST API Development with Node.js shines light into that black hole of modules for

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the developers trying to create an API. Understand REST API development with Node.js using this book today.

XQuery Kick Start Sams Publishing

This fascinating collection of traditional metaphors and figures of speech, groups expressions according to theme. The second edition includes over 1,500 new entries, more information on first known usages, a new introduction and two expanded indexes. It will appeal to those interested in cultural history and the English language.

This book provides guidelines for practicing design science in the fields of information systems and software engineering research. A design process usually iterates over two activities: first designing an artifact that improves something for stakeholders and subsequently empirically

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investigating the performance of that artifact in its context. This “validation in context” is a key feature of the book - since an artifact is designed for a context, it should also be validated in this context. The book is divided into five parts. Part I discusses the fundamental nature of design science and its artifacts, as well as related design research questions and goals. Part II deals with the design cycle, i.e. the creation, design and validation of artifacts based on requirements and stakeholder goals. To elaborate this further, Part III presents the role of conceptual frameworks and theories in design science. Part IV continues with the empirical cycle to investigate artifacts in context, and presents the different elements of research problem analysis, research setup and data analysis. Finally, Part V

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deals with the practical application of the empirical cycle by presenting in detail various research methods, including observational case studies, case-based and sample-based experiments and technical action research. These main sections are complemented by two generic checklists, one for the design cycle and one for the empirical cycle. The book is written for students as well as academic and industrial researchers in software engineering or information systems. It provides guidelines on how to effectively structure research goals, how to analyze research problems concerning design goals and knowledge questions, how to validate artifact designs and how to empirically investigate artifacts in context – and finally how to present the results of the design cycle as a whole.

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RabbitMQ in Action

A Hands-on Approach to Microservice Infrastructure and Tooling

Executable business processes in BPMN 2.0

Streaming Architecture

Framework and Clem Languaje

Domain-driven Design

From Parallel Processing to the Internet of Things

This book is written in a Cookbook style with short recipes showing developers how to effectively implement EIP without breaking everything in the process. It is concise and to the point, and it helps developers get their data flowing between different components without the need to read through page

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upon page of theory, while also enabling the reader to learn how to create exciting new projects. Camel Enterprise Integration Cookbook is intended for developers who have some familiarity with Apache Camel and who want a quick lookup reference to practical, proven tips on how to perform common tasks. Every recipe also includes a summary and reference pointers for more details that make it easy for you to get a deeper understanding of the Apache Camel capabilities that you will use day to day. Distributed and Cloud Computing: From Parallel Processing to the Internet of Things offers complete coverage of modern distributed computing technology including clusters, the grid, service-

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oriented architecture, massively parallel processors, peer-to-peer networking, and cloud computing. It is the first modern, up-to-date distributed systems textbook; it explains how to create high-performance, scalable, reliable systems, exposing the design principles, architecture, and innovative applications of parallel, distributed, and cloud computing systems. Topics covered by this book include: facilitating management, debugging, migration, and disaster recovery through virtualization; clustered systems for research or ecommerce applications; designing systems as web services; and social networking systems using peer-to-peer computing. The principles of cloud computing are discussed using examples

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from open-source and commercial applications, along with case studies from the leading distributed computing vendors such as Amazon, Microsoft, and Google. Each chapter includes exercises and further reading, with lecture slides and more available online. This book will be ideal for students taking a distributed systems or distributed computing class, as well as for professional system designers and engineers looking for a reference to the latest distributed technologies including cloud, P2P and grid computing. Complete coverage of modern distributed computing technology including clusters, the grid, service-oriented architecture, massively parallel processors, peer-to-peer networking, and cloud

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computing Includes case studies from the leading distributed computing vendors: Amazon, Microsoft, Google, and more Explains how to use virtualization to facilitate management, debugging, migration, and disaster recovery Designed for undergraduate or graduate students taking a distributed systems course—each chapter includes exercises and further reading, with lecture slides and more available online Summary Activiti in Action is a comprehensive tutorial designed to introduce developers to the world of business process modeling using Activiti. Before diving into the nuts and bolts of Activiti, this book presents a solid introduction to BPMN 2.0 from a developer's perspective. About the Technology Activiti

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streamlines the implementation of your business processes: with Activiti Designer you draw your business process using BPMN. Its XML output goes to the Activiti Engine which then creates the web forms and performs the communications that implement your process. It's as simple as that. Activiti is lightweight, integrates seamlessly with standard frameworks, and includes easy-to-use design and management tools. About the Book Activiti in Action introduces developers to business process modeling with Activiti. You'll start by exploring BPMN 2.0 from a developer's perspective. Then, you'll quickly move to examples that show you how to implement processes with Activiti. You'll dive into key areas of process

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modeling, including workflow, ESB usage, process monitoring, event handling, business rule engines, and document management integration. Written for business application developers. Familiarity with Java and BPMN is helpful but not required. 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. What's Inside Activiti from the ground up Dozens of real-world examples Integrate with standard Java tooling Table of Contents PART 1 INTRODUCING BPMN 2.0 AND ACTIVITI Introducing the Activiti framework BPMN 2.0: what's in it for developers? Introducing the Activiti tool stack Working with the Activiti process engine PART 2

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IMPLEMENTING BPMN 2.0 PROCESSES WITH ACTIVITI

Implementing a BPMN 2.0 process Applying advanced BPMN 2.0 and extensions Dealing with error handling Deploying and configuring the Activiti Engine Exploring additional Activiti modules PART 3

ENHANCING BPMN 2.0 PROCESSES Implementing advanced workflow Integrating services with a BPMN 2.0 process Ruling the business rule engine Document management using Alfresco Business monitoring and Activiti PART 4 MANAGING BPMN 2.0 PROCESSES?

Managing the Activiti Engine

Microservices can have a positive impact on your enterprise—just ask Amazon and Netflix—but you can fall into many traps if you don't approach them in the

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right way. This practical guide covers the entire microservices landscape, including the principles, technologies, and methodologies of this unique, modular style of system building. You'll learn about the experiences of organizations around the globe that have successfully adopted microservices. In three parts, this book explains how these services work and what it means to build an application the Microservices Way. You'll explore a design-based approach to microservice architecture with guidance for implementing various elements. And you'll get a set of recipes and practices for meeting practical, organizational, and cultural challenges to microservice adoption. Learn how microservices can

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help you drive business objectives Examine the principles, practices, and culture that define microservice architectures Explore a model for creating complex systems and a design process for building a microservice architecture Learn the fundamental design concepts for individual microservices Delve into the operational elements of a microservices architecture, including containers and service discovery Discover how to handle the challenges of introducing microservice architecture in your organization

Rule-Based Reasoning, Programming, and Applications

Geo-information for Disaster Management (Gi4DM)

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2012

Designing Fine-Grained Systems

Agile Software Development Quality Assurance

Arrowhead Framework

Tackling Complexity in the Heart of Software

Aligning Principles, Practices, and Culture

More and more data-driven companies are looking to adopt stream processing and streaming analytics. With this concise ebook, you'll learn best practices for designing a reliable architecture that supports this emerging big-data paradigm. Authors Ted Dunning and Ellen Friedman (Real World Hadoop) help you explore some of the best technologies to handle stream processing and analytics, with a focus on the upstream queuing or message-passing layer. To illustrate the effectiveness of these technologies, this book also includes specific use

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cases. Ideal for developers and non-technical people alike, this book describes: Key elements in good design for streaming analytics, focusing on the essential characteristics of the messaging layer New messaging technologies, including Apache Kafka and MapR Streams, with links to sample code Technology choices for streaming analytics: Apache Spark Streaming, Apache Flink, Apache Storm, and Apache Apex How stream-based architectures are helpful to support microservices Specific use cases such as fraud detection and geo-distributed data streams Ted Dunning is Chief Applications Architect at MapR Technologies, and active in the open source community. He currently serves as VP for Incubator at the Apache Foundation, as a champion and mentor for a large number of projects, and as committer and PMC member of the Apache ZooKeeper and Drill projects. Ted is on Twitter as @ted_dunning. Ellen Friedman, a

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commmitter for the Apache Drill and Apache Mahout projects, is a solutions consultant and well-known speaker and author, currently writing mainly about big data topics. With a PhD in Biochemistry, she has years of experience as a research scientist and has written about a variety of technical topics. Ellen is on Twitter as @Ellen_Friedman. There have been major advances in technologies to support crisis response in the last few years. However, many aspects related to the efficient collection and integration of geo-information, applied semantics and situation awareness for disaster management are still open. To advance the systems and make them intelligent, an extensive collaboration is required between emergency responders, disaster managers, system designers and researchers. To facilitate this process the Geo-information for Disaster Management (Gi4DM) conference has been organized since 2005. Gi4DM is coordinated by the Joint

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Board of Geospatial Information Societies (JB GIS) and the ad-hoc Committee on Risk and Disaster Management. This volume presents the results of the Gi4DM 2012 conference, held in Enschede, the Netherlands, on 13-15 December . It contains a selection of around 30 scientific and 25 best-practice peer-reviewed papers. The 2012 Gi4DM focuses on the intelligent use of geo-information, semantics and situation awareness.

Enterprise Integration Patterns provides an invaluable catalog of sixty-five patterns, with real-world solutions that demonstrate the formidable of messaging and help you to design effective messaging solutions for your enterprise. The authors also include examples covering a variety of different integration technologies, such as JMS, MSMQ, TIBCO ActiveEnterprise, Microsoft BizTalk, SOAP, and XSL. A case study describing a bond trading system illustrates the patterns in

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practice, and the book offers a look at emerging standards, as well as insights into what the future of enterprise integration might hold. This book provides a consistent vocabulary and visual notation framework to describe large-scale integration solutions across many technologies. It also explores in detail the advantages and limitations of asynchronous messaging architectures. The authors present practical advice on designing code that connects an application to a messaging system, and provide extensive information to help you determine when to send a message, how to route it to the proper destination, and how to monitor the health of a messaging system. If you want to know how to manage, monitor, and maintain a messaging system once it is in use, get this book.

This revised second edition provides an introduction to the phonetics and phonology of English. It incorporates all central aspects of

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research in the phonology of English and involves the reader at every step, with over 80 exercises leading students to discover facts, to formulate general statements, and to apply concepts. Discusses the nature of speech and phonetic description, the principles of phonological analysis, the consonants and vowels of English and their possible sequences. Provides extensive treatment of rhythm, stress, and intonation and the role of these prosodic elements in discourse. Includes more than 80 exercises with feedback and glossary of technical terms. Incorporates developments in phonology since the first edition appeared.

Enterprise Integration Patterns

Mule 2

Designing, Building, and Deploying Messaging Solutions

Advanced Microservices

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Activiti in Action

Microservice Architecture