Microservices: Patterns And Applications: Designing Fine-grained Services By Applying Patterns

Synopsis

Microservices: Patterns and ApplicationsMicroservices are the next big thing in designing scalable, easy to maintain applications.This book will explain everything you need to know about Microservices to make your next project successful. You will learn:Microservice PatternsThis book goes into great detail on all of the Microservice Architecture patterns including Monolithic Architecture Microservice Architecture Service Discovery Gateway / Proxy API Orchestrated API Service Registration CQRS and Event Sourcing Bulk Heads Circuit Breaker Message BrokerThe most important thing about Microservices is when and how to apply a pattern, along with explaining what choices you must make and why. Every system is different so it is vital to understand a lot of basics before designing and developing your own Microservices.From Monolithic to Microservice The basics here are how to decompose a Monolithic system into a Microservice and this book shows exactly how this process is completed.Service Oriented Architecture to MicroserviceA more common need is to migrate your system from a SOA based architecture to Microservices, there are many advantages and the process is not as straightforward as you would expect.New MicroservicesIf you want to build a brand-new system and leverage the power of Microservices this book outlines the pitfalls, strategies and tactics needs to make this work for you. It is not as easy as it would seem and you will understand why after reading this book.Microservice TechnologiesYou'll learn about what technologies you need to use and understand for successful Microservices.VirtualizationContainers (Docker and Rocket)DatabasesSecurity (JSON Web Tokens)LoggingExceptionsCachingTimeoutsScalability (CAP, Cube)Platform as a Service (PaaS)Cloud architectureTechnology agnosticWhy Microservices? Isn't this just the latest buzz word?While Microservices may be a recent trend and is gaining traction across the industry as a silver-bullet. It is not a silver-bullet. In this book you will learn important reasons why you cannot treat Microservices or any technology or technique as a silver-bullet. There aretradeoffs and advnatages to every architectural decision, you will understand the details by reading this book. Most importantly you will understand how Microservices is what SOA had promised and never delivered. Author: Lucas KrauseLucas has been in the technology industry as a consultant, contractor, architect, engineer, and manager and understands and has used Microservices successfully to solve his client problems.Philosophy of MicroservicesYou'll learn about what the philosophy of Microservices is and why this is important. It is critical to understand the philosophy as that is what makes Microservices work at so many other companies and solutions.If you are looking to gain an understanding of Microservices along with the patterns and application around the process to implementing them than, this is the book for you!Ready to learn about Microservices?

Let's go!Want To Be brought up to speed on the latest innovations and techniques with Microservices?Want to Understand Why Microservices? What Makes Microservices so Special?What are the potential pitfalls?Why Are Microservices so popular?How do I make my projects successful?

Book Information

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Customer Reviews

It's a great book and has a lot of relevant and valuable insights in the world microservices however the Kindle version completely ruins it. It's almost impossible to refer to the diagrams because they are illegible.A lot of the concepts haven't been spoken about in other, more popular books such as the chapter on microservices patterns. Also one of the few books that speaks about CQRS.

Very thorough and helped me understand the entire process. I've tried a few other resources and none were as detailed as this. It goes into great step-by-step explanations of everything. Well worth the $10 and then some for everything it offers. I'll be using it again in the future for reference and further learning.Recommendedâ ‹!

This is the best book I have read about microservices, very thorough and easy to understand. The author is definitely knowledgeable and experienced. Most importantly, he knows how to teach us about it. I especially love how he breaks down the process into small steps, so readers can follow without hard time. I have learned a lot about all good things of microservices from this book. And it is definitely a guidebook that I can find answer when problems come up.

This is a great and very informative guide for micro services. Reading through the book you realize that the author is very knowledgeable and actually knows what he's talking about which is very refreshing. Microservices is a very different way of writing software and if you are not experienced with it at all, you definitely need some guidance. This guide offers excellent detail and explanation about what you need to know. Although some things can get pretty complicated with micro services, the author is very delicate about explaining the ins and outs of it all. I recommend this guide to anyone dealing with software even if microservies is not necessarily your thing. Very helpful.

Mostly an aggregation of old / known ideas, all presented on the most basic level.No new ideas, no new insights.The book may be useful if you try to make sure you understand the concept of Micro-Services, just be aware that some common options (e.g. Bulkhead, API Proxy) are presented as facts of Micro-Services implementation - while it is actually "just another implementation options".

Well-written and well-organized book on microservices and microservice patterns. This is a must-read for any software engineer or software architect deploying large-scale distributed applications on cloud infrastructure or on premise. This is also a good read for engineering managers on organizing their feature team and delivering complex distributed applications and infrastructure. This book transforms the microservice pattern from a mere buzz word or fad to an essential engineering discipline for deploying distributed software.

Very straightforward and pragmatic introduction to the subject. Appropriate for developers and tech professionals in other disciplines. Definitely recommend if you're just starting out learning about Microservices.

This book did not fulfill my expectations. The content is just an aggregation of definitions, some of the patterns and ideas are explained superficially. There are many grammatical errors.

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