



Microservices: Patterns and Applications: Designing fine-grained services by applying patterns

By Lucas Krause

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Microservices: Patterns and Applications Microservices 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 Patterns** This 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 Broker The 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 Microservice** A 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 Microservices** If 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.

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technology industry as a consultant, contractor, architect, engineer, and manager and understands and has used Microservices successfully to solve his client problems. **Philosophy of Microservices** You'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?

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Editorial Review

About the Author

Lucas Krause is an entrepreneur, consultant, software developer and architect. He started building programs when he was only 8 years old with his parents Commodore 64. Lucas studied Electrical Engineering in college and fell in love with hardware and software technology focused solutions. Lucas started out working in the private sector doing simple web application design, then moved to systems engineering, distributed systems design, and enterprise application development. Lucas became a consultant 3 years after school and never looked back being able to lead many different projects from Government, and Finance to Utilities and Entertainment. Lucas has the fortune to work on a variety of projects large and complex project with small or large teams always making big impacts and making the project a success. A man of many hats, Lucas had been a developer, architect, manager and founder. Lucas has worked for many different types of organizations including Fortune 100, Non-Profit, Federal, State and Local Government. He has also been heavily involved in many industries including Finance, Insurance, Ecommerce, Marketing and Advertising, Clinical, Medical, Management Consulting, Training, and Gaming. Lucas has helped design, build, lead, and deliver over one hundred successful projects in over a dozen different industries. Lucas's passion is solving customer's problems long-term leading to sustainable growth and success. You can learn more about Lucas at <http://microservicesbook.io/author/> and contact him at <http://microservicesbook.io/contact/>

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