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Irakli is the CTO and co-founder of New York health technology startup ReferWell. At any time it can be found: the development and implementation of the api, the discussion of the architecture of distributed systems and the expression of opinions on product management. Prior to ReferWell Irakli went into leadership roles at the API Academy of CA Technology, and NPR. Irakli is heavily involved in the startup community and has spent more than a decade in Washington building innovative products for media companies, governments and international organizations, as well as being an active open source contributor and advocate. You can join Irakli on Twitter at @inadarei. As design director of the CA API Academy, Ronnie Mitra is focused on helping people develop better distributed systems. He travels the world, helping organizations adopt a design-oriented approach to interface design and a system-oriented approach to application architecture. Mitra is currently writing a book with Irakli Nadareishvili, Matt McLarty and Mike Amundsen on microservices in design and architecture. Matt McLarty (@matmclartybc) is vice president of CA Technologies API Academy. The API Academy helps businesses thrive in the digital economy by providing expert guidance on strategy, architecture and design APIs. An internationally renowned author and lecturer Mike Amundsen travels worldwide in consultation and discussion on a wide range of topics, including distributed network architecture, web application development and other subjects. In his role as director of architecture at API Academy, Amundsen heads up API Architecture and Design Practice in North America. He is responsible for working with companies to provide insight into how best to take advantage of the many opportunities APIs that are presented to both consumers and businesses. Amundsen has created many books and documents about programming over the past 15 years. His latest book is a collaboration with Leonard Richardson called the RESTful Web API, published in 2013. His 2011 book Building Hypermedia APIs with HTML5 and Node, is a frequently quoted link for creating customizable web applications. Microservices is the most talked about term in the software industry today. Microservices architecture is what every software-driven company wants to take to eliminate the complexity of building larger programs with more dependencies. Microservices architecture is about splitting large applications into small, separate, separate and scalable parts to make sure that the dependency and failure effect is minimal or zero. Microservices architecture also increases overall performance because they are more convenient to connect and play, and easy to manage. This article from Smart Bear explains the microservices architecture in more detail. Microservices and DevOps go hand in hand, and we want you to get real knowledge of microservices not only by browsing the internet, but also going through some of these books we to the list. In our article Our journey to microservices: mono repo vs. many repositories, talks about our journey to microservices and some advanced monorepo and multi-storey concepts. Today we see great books you should read about microservices that can help you enrich your microservice concepts and understand even more. Microservices Architecture Books 1. Building Microservices by Sam Newman This book tells of the simplest way of approaching microservices architecture. Distributed systems have grown more fine-grained over the past ten years, moving from code-heavy monolithic applications to smaller, built-in microservices. 2. Production-Ready Microservices: Building standardized systems by Susan J. Fowler One of the most important obstacles for companies that have embraced microservice architecture is the lack of architecture, performance and organizational regularity. After splitting the monolithic application or building a microservice ecosystem from scratch, many engineers remained wondering what next. In this practical book, author Susan Fowler presents a comprehensive set of microservice standards based on her experience of standardizing more than a thousand Uber microservices. 3. Microservice Architecture: Irakli Nadareishvili Microservices principles, practices and culture can have a real impact on your business, just ask Amazon and Netflix, but you can get into many traps if you don't get close in the right way. This practical book covers the entire microservice landscape, including the principles, technologies and techniques of this unique, modular system development technique. 4. Richard Rodger Microservices Tao Tao gives you an idea of how to implement the architecture of microservices in its real-world projects. This high-level book offers a conceptual sense of microservice design along with basic concepts and their application much better. 5. Spring Microservices Action by John Carnell Spring Microservices in Action explains how to create microservice-based applications using Java and spring platform. 6. Microservices: Flexible software architecture eberhard wolff In this book, Eberhard Wolff presents all the knowledge and information you need about microservices. He professes microservice concepts, theories, architectures and scripts from a technology-neutral approach and shows how to execute them with today's leading technologies such as Docker, Java, Spring Boot, Netflix Stack and Spring Cloud. 7. Mastering Microservices With Java by Sourabh Sharma This book is designed for Java developers who are accustomed to microservices architecture and now need a deeper immersion in the efficient performance of microservices at the enterprise level. A reasonable level of knowledge is needed and understanding of key microservice elements and applications. I think these seven books are all you need to enrich your about microservices. Photo By Gabriel Sollmann on UnsplashFor complex programs, Microservice Architecture offers many exciting advantages as I drives in detail in a previous post on Microservice Architecture: A brief overview of why you should use it for your next project. Microservices design is quite a tricky task. Worse still, if Microservices is not properly developed, it is doomed to fail. Developers and architects should have a clear understanding of Microservice Architecture's pre-design microservice architecture. Today, developers use stack overflow, online courses, or online messages to gain insights into the topic. I would suggest supplementing online courses, conferences, blog posts, carefully reading some books to avoid microservices. Here's a list of five books that will help you better understand microservices and how to use it in real-world projects. 1. Building Microservices Sam Newman is one of the first microservice architecture and microservices guru pioneers. In this innovative book, he described the architectural principles of microservice, as well as how to design, deploy, test and monitor the length of microservice architecture. He also noted possible shortcomings about microservices design and how to evolutionarily transfer the Monolith program to Microservices. As a bonus, Sam Newman's writing is elegant, clear and he explained such a complex topic in a surprisingly simple way. This must read the book everyone wants to be engaged in Microservices 2. Microservices Patterns Chris Richardson is a well-respected microservices expert who also runs one of the most popular Microservices Blog. In this book: Microservices Patterns, Chris Richardson described the advantages of microservice architecture as well as the disadvantages and challenges of Microservices. For each challenge, he then offered one or more models to solve the problem and their merits/weaknesses. This book also summarizes all the models used in Microservices world. 3. Microservices - Practical Guide Eberhard Wolff is a well-known German software architect who has written several German and English books on Microservices. One of the main problems with Microservices is that it offers a different solution to another problem, and choosing the right solution is quite difficult. This book Microservices - Practical Guide is quite convenient in this regard, because it offers a different solution for various problems, including their pros and cons. This book also spends a lot of time discussing Cloud-Native Microservices such as Docker, Kubernetes, Service Meshes, etc. 4. Implementing Domain-Driven Design The biggest challenge for Microservices is as a piece of complex business application to various freely linked services. Fortunately, a domain-based design can help in this respect. Domain-Driven design advocates designing in two stages: strategic design and tactical design. In strategic design, IT and business work together to find a core domain, support domain, ubiquitous languages, and context rendering. In tactical design, IT breaks down each domain into smaller building blocks, such as object, value object, aggregated and aggregated root material. So domain-driven design helps to find the boundary and building blocks of Microservices. To learn more about domain-based design, I prefer Red Book written by Vaughn Vernon in favor of the original Blue Book written by Eric Evans, because this book is more readable and uses a modern Tech Stack (e.g. Event Supply, CQRS). 5. Designing Data Intensive Applications Other Challenge Microservices is to split the central datastore into microservice specific datastore and then share data/between messages microservices. In addition, Microservice Architecture advocates the proper use of data storage for microservices, which can lead to sub-religious databases. Thus, in order to create efficient microservices, it is very important to have a good understanding of modern data stores, data transformation, data sharing. Martin Kleppmann, arguably the best thing expert in this field, has done an excellent job writing his monumental book Designing Data for Intensive Programs: Big Ideas For Trustworthy, Scalable, and Supervised Systems. Eloquently, Martin Kleppmann discussed nothing and everything about data at the deepest level: SQL, NoSQL databases, data storage formats, data transfer formats, message queues. This is the most comprehensive and comprehensive book about modern data management and must read the book Microservice Architects. If it turned out useful to you, please share it on your favorite forums (Twitter, Facebook, LinkedIn). Comments and constructive criticism are highly appreciated. Thank you for reading! If you are interested in Microservice Architecture, you can also read my following articles: Page 2 Photo by Gabriel Sollmann on Unsplash For Complex Applications, Microservice Architecture offers many exciting advantages as I discreetly detailed in a previous post on Microservice Architecture: A brief overview of why you should use it for your next project. Microservices design is quite a tricky task. Worse still, if Microservices is not properly developed, it is doomed to fail. Developers and architects should have a clear understanding of Microservice Architecture's pre-design microservice architecture. Today, developers use stack overflow, online courses, or online messages to gain insights into the topic. I would suggest supplementing online courses, conferences, blog posts, carefully reading some books to avoid microservices. Here's a list of five books that will help you better understand the microservice and how to use it in real-world projects. 1. Building Microservices Sam Newman is one of the first Architectural and microservices guru pioneers. In this case, the in his book, he described the principles of Microservice Architecture, as well as how to design, deploy, test and monitor the architecture of microservice. He also noted possible shortcomings about microservices design and how to evolutionarily transfer the Monolith program to Microservices. 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Eloquently, Martin Kleppmann discussed nothing and everything about data at the deepest level: SQL, NoSQL databases, data storage formats, data transfer formats, message queues. This is the most comprehensive and comprehensive book about modern data management and must read the book Microservice Architects. If it turned out useful to you, please share it on your favorite forums (Twitter, Facebook, LinkedIn). Comments and constructive criticism are highly appreciated. Thank you for reading! If you are interested in Microservice Architecture, you can also read my following articles: Articles:

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