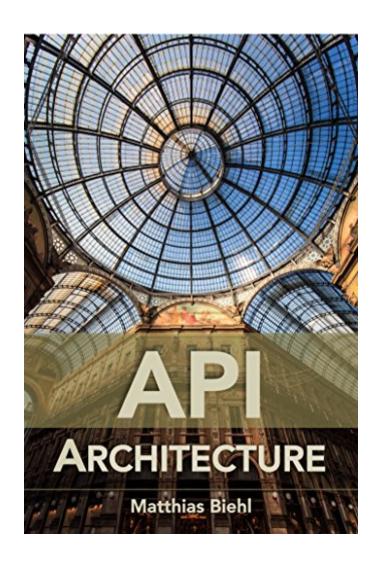# API Architecture: The Big Picture For Building APIs (API-University Series Book 2)

Synopsis

Looking for the big picture of building APIs? This book is for you!Building APIs that consumers love should certainly be the goal of any API initiative. However, it is easier said than done. It requires getting the architecture for your APIs right. This book equips you with both foundations and best practices for API architecture.This book is for you if you want to understand the big picture of API design and development, you want to define an API architecture, establish a platform for APIs or simply want to build APIs your consumers love.This book is NOT for you, if you are looking for a step-by step guide for building APIs, focusing on every detail of the correct application of REST principles. In this case I recommend the book "API Design" of the API-University Series.What is API architecture? Architecture spans the bigger picture of APIs and can be seen from several perspectives: API architecture may refer to the architecture of the complete solution consisting not only of the API itself, but also of an API client such as a mobile app and several other components. API solution architecture explains the components and their relations within the software solution. API architecture may refer to the technical architecture of the API platform. When building, running and exposing not only one, but several APIs, it becomes clear that certain building blocks of the API, runtime functionality and management functionality for the API need to be used over and over again. An API platform provides an infrastructure for developing, running and managing APIs. API architecture may refer to the architecture of the API portfolio. The API portfolio contains all APIs of the enterprise and needs to be managed like a product. API portfolio architecture analyzes the functionality of the API and organizes, manages and reuses the APIs. API architecture may refer to the design decisions for a particular API proxy. To document the design decisions, API description languages are used. We explain the use of API description languages (RAML and Swagger) on many examples. This book covers all of the above perspectives on API architecture. However, to become useful, the architecture needs to be put into practice. This is why this book covers an API methodology for design and development. An API methodology provides practical guidelines for putting API architecture into practice. It explains how to develop an API architecture into an API that consumers love.A lot of the information on APIs is available on the web. Most of it is published by vendors of API products. I am always a bit suspicious of technical information pushed by product vendors. This book is different. In this book, a product-independent view on API architecture is presented.The API-University Series is a modular series of books on API-related topics. Each book focuses on a particular API topic, so you can select the topics within APIs, which are relevant for you.

Book Information

Customer Reviews

While you won't leverage this text in a vaccum, you will have the confidence to truly speak and evaluate API Solution Architecture like a pro. True to the title, it focuses on the design concepts and solution building blocks. Construction details are for other volumes

I give this 3 stars because1. It has no worked example APIs at all. All theory.2. Feels like an extract from a PhD thesis, not a book.3. It doesn't mention the role of HATEOAS in API architecture.4. It does intelligently breakdown an API Architecture into the Development, Runtime and Engagement platforms. This is a good idea.5. It actually mentions somewhere that an externally facing API is ultimately a company's product. This is an advanced concept for non-technical people.Otherwise, it's a good basic overview of API Architecture, but that's all.

Great book. As a 25 year techie, I enjoy concise and practical technical docs, this is one !

This is purely a theoretical book, it talk about design to an extent, but no implementation details. There are no details on how to break a product down into APIs. Basics are covered well, but

advanced concepts seems skipped.

This book is crap. It's simply a general overview light on any substance.

API Architecture: The Big Picture for Building APIs (API-University Series Book 2) RESTful API Design: Best Practices in API Design with REST (API-University Series Book 3) Irresistible APIs: Designing web APIs that developers will love OAuth 2.0: Getting Started in API Security (API-University Series Book 1) OAuth 2.0: Getting Started in Web-API Security (API University Series) (Volume 1) Build APIs You Won't Hate: Everyone and their dog wants an API, so you should probably learn how to build them The API Economy: Disruption and the Business of APIs Twitter API: Up and Running: Learn How to Build Applications with the Twitter API Pro ASP.NET Web API Security: Securing ASP.NET Web API (Expert's Voice in .NET) Chinese Architecture and Metaphor: Song Culture in the Yingzao Fashi Building Manual (Spatial Habitus: Making and Meaning in Asia's Architecture) Picture Book:Time To Say Goodbye: An interactive Picture Book for preschool kids, with 3 amusing endings!)(Bedtime Stories Children's Books for Early & Beginner Readers From Truthy Ruthy Series) CORS in Action: Creating and consuming cross-origin APIs DirectX, RDX, RSX, and MMX Technology: A Jumpstart Guide to High Performance APIs Coca Cola Night Before Christmas Read Together Picture (Picture Book) Wedding Dresses - A Picture Guide Book For Wedding Dress and Gown Inspirations: A Picture-Perfect Guide To Selecting The Perfect Wedding Gown Is The Perfect ... For Brides-To-Be (Weddings by Sam Siv 7) Weddings: Wedding Dresses: An Illustrated Picture Guide Book For Wedding Dress and Gown Inspirations: A Picture-Perfect Guide To Selecting The Perfect ... Brides-To-Be (Weddings by Sam Siv) (Volume 7) The 201 on Building Web API with ASP.NET Core MVC: Book 1: Application Core Computer Architecture, Fifth Edition: A Quantitative Approach (The Morgan Kaufmann Series in Computer Architecture and Design) Computer Architecture: A Quantitative Approach (The Morgan Kaufmann Series in Computer Architecture and Design) Mansilla Y Tunon: Recent Work (2G: International Architecture Review S.) (2G: International Architecture Review Series) (Spanish and English Edition)