

Building RESTful Python Web Services



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著者:Gastón C. Hillar

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Key Features

Develop RESTful Web Services using the most popular frameworks in Python
Configure and fine-tune your APIs using the best tools and techniques available
This practical

guide will help you to implement complete REST-based APIs from scratch

Book Description

Python is the language of choice for millions of developers worldwide, due to its gentle learning curve as well as its vast applications in day-to-day programming. It serves the purpose of building great web services in the RESTful architecture. This book will show you the best tools you can use to build your own web services.

Learn how to develop RESTful APIs using the popular Python frameworks and all the necessary stacks with Python, Django, Flask, and Tornado, combined with related libraries and tools. We will dive deep into each of these frameworks to build various web services, and will provide use cases and best practices on when to use a particular framework to get the best results.

We will show you everything required to successfully develop RESTful APIs with the four frameworks such as request handling, URL mapping, serialization, validation, authentication, authorization, versioning, ORMs, databases, custom code for models and views, and asynchronous callbacks. At the end of each framework, we will add authentication and security to the RESTful APIs and prepare tests for it.

By the end of the book, you will have a deep understanding of the stacks needed to build RESTful web services.

What you will learn

Develop complex RESTful APIs from scratch with Python combined with and without data sources
Choose the most appropriate (micro) framework based on the specific requirements of a RESTful API / web service
Debug, test, and profile RESTful APIs with each of the frameworks
Develop a complex RESTful API that interacts with a PostgreSQL database
Add authentication and permissions to a RESTful API built in each of the frameworks

作者介绍:

About the Author

Gastón C. Hillar is Italian and has been working with computers since he was 8 years old. In the early 80s, he began programming with the legendary Texas TI-99/4A and Commodore 64 home computers. Gastón has a bachelor's degree in computer science and graduated with honors. He also holds an MBA, in which he graduated with an outstanding thesis. At present, Gastón is an independent IT consultant and a freelance author who is always looking for new adventures around the world. He has been a senior contributing editor at Dr. Dobb's and has written more than a hundred articles on software development topics. Gastón was also a former Microsoft MVP in technical computing. He has received the prestigious Intel® Black Belt Software Developer award seven times. He lives with his wife, Vanesa, and his two sons, Kevin and Brandon.

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标签

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评论

django好强大，对restful api支持的非常全面。

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书评

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