Build Production Ready Applications Using Advanced Python Concepts And Industry Best Practices

Python for Geeks: Build production-ready applications using advanced Python concepts and industry best practices by Muhammad Asif

4.5 out of 5

Language	: English
File size	: 12334 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Print length	: 546 pages
Screen Reader	: Supported

Python is a versatile and powerful programming language that is used in a wide variety of applications, from web development to data science. However, building production-ready applications using Python requires more than just knowledge of the basics. You need to understand advanced Python concepts and industry best practices in Free Download to create applications that are scalable, reliable, and secure.

This comprehensive guide will teach you everything you need to know to build production-ready applications using Python. We'll cover everything from data structures and algorithms to testing and deployment. By the end of this guide, you'll be able to confidently build Python applications that are ready for the real world.

Chapter 1: Data Structures and Algorithms

Data structures and algorithms are the foundation of any programming language. In this chapter, we'll cover the essential data structures and algorithms that you need to know to build production-ready Python applications.

- Lists
- Tuples
- Dictionaries
- Sets
- Stacks
- Queues
- Trees
- Graphs
- Sorting algorithms
- Searching algorithms

Chapter 2: Object-Oriented Programming

Object-oriented programming (OOP) is a powerful programming paradigm that allows you to create complex applications using reusable code. In this chapter, we'll cover the basics of OOP and how to use it to build Python applications.

- Classes

- Objects
- Inheritance
- Polymorphism

Chapter 3: Testing

Testing is an essential part of software development. In this chapter, we'll cover the different types of testing and how to use them to ensure that your Python applications are bug-free.

- Unit testing
- Integration testing
- Functional testing
- Performance testing

Chapter 4: Deployment

Once you've built your Python application, you need to deploy it so that users can access it. In this chapter, we'll cover the different deployment options and how to choose the best option for your application.

- Local deployment
- Cloud deployment
- Container deployment

Chapter 5: Best Practices

In this chapter, we'll cover some of the best practices for building production-ready Python applications. These practices will help you create

applications that are scalable, reliable, and secure.

- Use a version control system
- Write clean and maintainable code
- Follow a coding style guide
- Use a testing framework
- Monitor your applications

Building production-ready Python applications requires more than just knowledge of the basics. You need to understand advanced Python concepts and industry best practices. This guide has covered everything you need to know to get started. Now it's time to put your knowledge into practice and start building amazing Python applications.

Free Download your copy of *Build Production Ready Applications Using Advanced Python Concepts And Industry Best Practices* today and start building better Python applications!

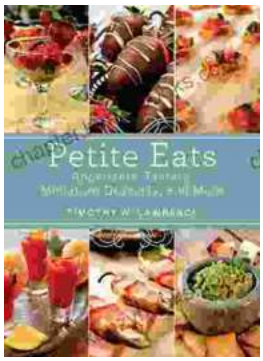
Python for Geeks: Build production-ready applications using advanced Python concepts and industry best practices by Muhammad Asif

4.5 out of 5

Language	: English
File size	: 12334 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Print length	: 546 pages
Screen Reader	: Supported

How to Brine a Turkey for Thanksgiving: The Ultimate Guide

Brining a turkey is the best way to ensure a moist and flavorful bird on Thanksgiving. By submerging the turkey in a saltwater solution for several...



Petite Eats: Appetizers, Tasters, Miniature Desserts, and More

Are you looking for the perfect cookbook to help you create delicious bite-sized treats? Look no further than Petite Eats! This cookbook is filled...