



Learning Python Application Development

By Ninad Sathaye

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Key Features

- Get to grips with Python techniques that address commonly encountered problems in general application development.
- Develop, package, and deploy efficient applications in a fun way.
- All-practical coverage of the major areas of application development, including best practices, exception handling, testing, refactoring, design patterns, performance, and GUI application development.

Book Description

Python is one of the most widely used dynamic programming languages, supported by a rich set of libraries and frameworks that enable rapid development. But fast paced development often comes with its own baggage that could bring down the quality, performance, and extensibility of an application. This book will show you ways to handle such problems and write better Python applications.

From the basics of simple command-line applications, develop your skills all the way to designing efficient and advanced Python apps. Guided by a light-hearted fantasy learning theme, overcome the real-world problems of complex Python development with practical solutions. Beginning with a focus on robustness, packaging, and releasing application code, you'll move on to focus on improving application lifetime by making code extensible, reusable, and readable. Get to grips with Python refactoring, design patterns and best practices. Techniques to identify the bottlenecks and improve performance are covered in a series of chapters devoted to performance, before closing with a look at developing Python GUIs.

What you will learn

- Build a robust application by handling exceptions.
- Modularize, package, and release the source distribution.
- Document the code and implement coding standards.
- Create automated tests to catch bugs in the early development stage.
- Identify and re-factor badly written code to improve application life.

- Detect recurring problems in the code and apply design patterns.
- Improve code efficiency by identifying performance bottlenecks and fixing them.
- Develop simple GUI applications using Python.

About the Author

Ninad Sathaye has spent several years of his professional career designing and developing performance-critical engineering applications written in a variety of languages, including Python and C++. He has worked as a software architect in the semiconductor industry, and more recently in the domain of Internet of Things. He holds a master's degree in mechanical engineering.

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10. Simple GUI Applications

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Editorial Review

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Users Review

From reader reviews:

Robert Johnson:

Exactly why? Because this Learning Python Application Development is an unordinary book that the inside of the book waiting for you to snap it but latter it will zap you with the secret the item inside. Reading this book close to it was fantastic author who all write the book in such remarkable way makes the content inside of easier to understand, entertaining means but still convey the meaning totally. So , it is good for you for not hesitating having this ever again or you going to regret it. This unique book will give you a lot of gains than the other book have such as help improving your ability and your critical thinking way. So , still want to delay having that book? If I were you I will go to the reserve store hurriedly.

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