

Learning Python Application Development

By Ninad Sathaye

Download Read Online

Learning Python Application Development By Ninad Sathaye

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.

Table of Contents

1. Developing Simple Applications
2. Dealing with Exceptions
3. Modularize, Package, Deploy!
4. Documentation and Best Practices
5. Unit Testing and Refactoring
6. Design Patterns
7. Performance – Identifying Bottlenecks
8. Improving Performance – Part One
9. Improving Performance – Part Two, NumPy and Parallelization
10. Simple GUI Applications

Download Learning Python Application Development ...pdf

Read Online Learning Python Application Development ...pdf

Learning Python Application Development

By Ninad Sathaye

Learning Python Application Development By Ninad Sathaye

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.

Table of Contents

1. Developing Simple Applications
2. Dealing with Exceptions
3. Modularize, Package, Deploy!
4. Documentation and Best Practices
5. Unit Testing and Refactoring
6. Design Patterns
7. Performance – Identifying Bottlenecks
8. Improving Performance – Part One
9. Improving Performance – Part Two, NumPy and Parallelization
10. Simple GUI Applications

Learning Python Application Development By Ninad Sathaye Bibliography

- Rank: #979256 in eBooks
- Published on: 2016-09-07
- Released on: 2016-09-13
- Format: Kindle eBook

Download Learning Python Application Development ...pdf

Read Online Learning Python Application Development ...pdf

Download and Read Free Online Learning Python Application Development By Ninad Sathaye

Editorial Review

About the Author

Ninad Sathaye

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.

Users Review

From reader reviews:

Raymond Levine:

This book untitled Learning Python Application Development to be one of several books that will best seller in this year, that's because when you read this book you can get a lot of benefit in it. You will easily to buy this book in the book retailer or you can order it through online. The publisher of this book sells the e-book too. It makes you more readily to read this book, because you can read this book in your Cell phone. So there is no reason for your requirements to past this publication from your list.

Johnathan Fuller:

Your reading 6th sense will not betray an individual, why because this Learning Python Application Development publication written by well-known writer who really knows well how to make book that can be understand by anyone who read the book. Written with good manner for you, still dripping wet every ideas and publishing skill only for eliminate your own personal hunger then you still skepticism Learning Python Application Development as good book but not only by the cover but also from the content. This is one publication that can break don't ascertain book by its protect, so do you still needing another sixth sense to pick this specific!? Oh come on your reading sixth sense already told you so why you have to listening to yet another sixth sense.

Kathleen Bonds:

Beside this specific Learning Python Application Development in your phone, it might give you a way to get nearer to the new knowledge or information. The information and the knowledge you will got here is fresh in the oven so don't end up being worry if you feel like an previous people live in narrow commune. It is good thing to have Learning Python Application Development because this book offers to you personally readable information. Do you occasionally have book but you rarely get what it's all about. Oh come on, that wil happen if you have this in the hand. The Enjoyable option here cannot be questionable, such as treasuring beautiful island. Use you still want to miss that? Find this book as well as read it from now!

Betty Neal:

On this era which is the greater man or woman or who has ability in doing something more are more precious than other. Do you want to become one among it? It is just simple solution to have that. What you have to do is just spending your time almost no but quite enough to have a look at some books. One of several books in the top checklist in your reading list is definitely Learning Python Application Development. This book which can be qualified as The Hungry Hills can get you closer in growing to be precious person. By looking upward and review this guide you can get many advantages.

Download and Read Online Learning Python Application Development By Ninad Sathaye #JZS7UQB2FE6

Read Learning Python Application Development By Ninad Sathaye for online ebook

Learning Python Application Development By Ninad Sathaye Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Learning Python Application Development By Ninad Sathaye books to read online.

Online Learning Python Application Development By Ninad Sathaye ebook PDF download

Learning Python Application Development By Ninad Sathaye Doc

Learning Python Application Development By Ninad Sathaye Mobipocket

Learning Python Application Development By Ninad Sathaye EPub