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Mastering Qt 5

Guillaume Lazar, Robin Penea

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Key Features

- Unleash the power of Qt 5 with C++14
- Integrate useful third-party libraries such as OpenCV
- Package and deploy your application on multiple platforms

Book Description

Qt 5.7 is an application development framework that provides a great user experience and develops full-capability applications with Qt Widgets, QML, and even Qt 3D.

This book will address challenges in successfully developing cross-platform applications with the Qt framework. Cross-platform development needs a well-organized project. Using this book, you will have a better understanding of the Qt framework and the tools to resolve serious issues such as linking, debugging, and multithreading. Your journey will start with the new Qt 5 features. Then you will explore different platforms and learn to tame them. Every chapter along the way is a logical step that you must take to master Qt. The journey will end in an application that has been tested and is ready to be shipped.

What you will learn

- Create stunning UIs with Qt Widget and Qt Quick
- Develop powerful, cross-platform applications with the Qt framework
- Design GUIs with the Qt Designer and build a library in it for UI preview
- Handle user interaction with the Qt signal/slot mechanism in C++
- Prepare a cross-platform project to host a third-party library
- Build a Qt application using the OpenCV API
- Use the Qt Animation framework to display stunning effects
- Deploy mobile apps with Qt and embedded platforms

About the Author

Guillaume Lazar is a software engineer living near Paris in France. He has worked for different companies, from startups to multinationals, for the last 7 years. He took the opportunity to observe and learn from many team organizations and technologies.

He eventually founded his own software development company, NeuronalMotion, at the age of 27 with his friend Robin Penea in 2014. Information about it and its open source projects can be found on the comapny's website, www.neuronalmotion.com.

NeuronalMotion represents to Guillaume "a different way of working." The current hierarchical organization that applies to most companies seems obsolete to him. With his own company, he wants to try something different, where each employee will be autonomous.

Although he defines himself as a Qt framework lover, he likes to mix different technologies and platforms.

He also spends time on game development, machine learning, and electronics, because "things" become "alive."

Robin Penea is a software engineer living in France. He has worked for several companies over the last 7 years, on many different technologies (ranging from server application development to embedded programming).

He founded NeuronalMotion with Guillaume Lazar in 2014 to implement his vision of entrepreneurship and project development. He aims to achieve a self-organized company. More information is available at www.neuronalmotion.com.

Besides developing with Qt, he likes to tinker with the Android AOSP framework, learn new programming language paradigms, and discover how to interweave technology and real life.

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