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# Android NDK

Discover the native side of Android and inject the power of C/C++ in your applications

*Beginner's Guide*

Sylvain Ratabouil

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# Android Ndk Beginner39s Guide

**Sergey Kosarevsky, Viktor Latypov**

## Android Ndk Beginner39s Guide:

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Android NDK is all about injecting high performance into your apps This book will show you how to create C C enabled applications and integrate them with Java You will learn how to access native API and port libraries used in some of the most successful Android applications Using this practical step by step tutorial highlighted with comments and tricks discover how to run C C code embedded in a Java application or in a standalone application

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yourself with different popular C libraries on Android and use them in your games Write multi threaded code with graphics sound networking and resource storage Who This Book Is For If you want to leverage your C skills in mobile development and increase the performance of your Android applications then this is the book for you Knowledge of C or C is assumed including pointer manipulation multi threading object oriented programming concepts and the basics of C 11 It would be an added advantage if you know how to develop applications without any IDE What You Will LearnWhat You Will Learn Explore

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multimedia applications that require direct access to system resources NDK is also the key for portability which in turn allows a reasonably comfortable development and debugging process using familiar tools such as GCC and Clang toolchains This is a hands on guide to extending your game development skills with Android NDK The book takes you through many

clear step by step example applications to help you further explore the features of Android NDK and some popular C libraries and boost your productivity by debugging the development process Through the course of this book you will learn how to write portable multi threaded native code use HTTP networking in C play audio files use OpenGL ES 3 and render high

quality text Each chapter aims to take you one step closer to building your application By the end of this book you will be able to create an engaging complete gaming application Style and approach This book adopts a step by step approach and each chapter is based on the material from the previous ones The book focuses on putting to your knowledge of C use while

you develop Android applications of your own [Android Native Development Kit Cookbook](#) Feipeng Liu,2013 This book is

written in a Cookbook style beginning with recipes which focus on helping developers make their software application available in Android. Android developers who want to learn Android NDK programming or develop multimedia and games in Android NDK will benefit from this book *Android NDK Game Development Cookbook* Sergey Kosarevsky, Viktor Latypov, 2013-11-25 A systematic guide consisting of over 70 recipes which focus on helping you build portable mobile games and aims to enhance your game development skills with clear instructions. If you are a C developer who wants to jump into the world of Android game development and who wants to use the power of existing C libraries in your existing Android Java applications then this book is for you. You need to have basic knowledge of C or C including pointer manipulation, multithreading and object oriented programming concepts as well as some experience developing applications without using an IDE.

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