



**silicon
beach**
TRAINING

t: 01273 622272 e: info@siliconbeachtraining.co.uk w: www.siliconbeachtraining.co.uk

Android App Development

Duration: 5 days

Price: £995 + vat

Prerequisites

Prior knowledge of a modern object oriented language such as Java, C++, C#, Smalltalk, PHP5, etc. We will assume a reasonable standard of object oriented programming skill.

In this practical introduction to Android, you will create your own Android application, ready for entry into the Android Marketplace. We will work with a simulator, and also a variety of devices as we learn the real world skills you will need as an Android application developer.

Objectives

Upon completion of this training course, the delegate will be able to:

- Build your own Android Application and upload it to the Android Market.
- Develop for simulators and real devices.
- Learn all the basics of Android Development with Ice Cream Sandwich and the Java SDK.

Course Content

Environment

- Welcome to Eclipse

Application Design

- Dealing with Hardware Fragmentation
- Small screen / big screen

Android Versions

- Slice Cream Sandwich
- Which versions should you target?
- Targeting older versions

Android Stack

- Linux kernel
- Libraries
- Dalvik
- Framework
- Apps

User Interfaces

- Interface Design
- XML Layout
- Java Layout

Creating an App

- Hello World
- Deploying to an Emulator
- Deploying to a device



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Week: 5 days

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Android App Development (continued)

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Data Storage

- SQLite
- File System

Working with Hardware

- Tilt
- Location
- Wifi
- Telephony
- Camera
- Bluetooth

Multimedia

- Audio
- Video
- OpenGL

The Android Market

- How to get listed



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