

# Hands-On Mobile Application Security

## COURSE DESCRIPTION

SecureNinja's (5) five-day workshop focused on hands-on mobile security. You'll start off with setting up your environment (emulator/SDK/hardware/etc), once done the course quickly moves into using your device as an attack platform. From there the course goes into the basics of forensics, reverse engineering mobile applications, exploiting mobile applications on each respective platform, and finally on to attacking web services from each platform.

NOTE: Students will be given an iPod touch for this class, but must bring their own Mac laptop running Mac OS X (Snow Leopard).

## WHO WOULD BENEFIT

IT Security Professionals, Application Developers, and Mobile Application Developers

## PREREQUISITES

Familiarity with programming concepts, familiarity with Linux

## COURSE LENGTH

- 5 days

## FOLLOW ON COURSES

- Cyber War
- Hands-on Malware Analysis

## COURSE DETAILS

Day 1 and 2: Android

- Building the Android environment
- Using Android as a Pentest Platform
- Reverse Engineering Android Apps
- Exploiting Android Apps
- Attacking Web Services via Android Apps
- Android Forensics

Day 2-5: iPod/ iPhone/iPad

- Building the iPod/iPhone/iPad testing environment

- Using iPod/iPhone/iPad as a Pentest Platform
- Jail Breaking iDevices
- iDevice Forensics
- Reverse Engineering iPod/iPhone/iPad Apps
- Exploiting iPod/iPhone/iPad Apps

## **ABOUT THE INSTRUCTOR**

### **Joe McCray**

#### **Chief Technology Officer and Senior Cybersecurity Instructor**

SecureNinja CTO Joe McCray is an Air Force Veteran and has been involved with cybersecurity for over 10 years. Joe has been involved in over 150 very high-level penetration testing assessments and utilizes his “real world hacking accomplishments” to ensure his clients and students obtain effective knowledge transfer.

His extensive experience and deep knowledge, mixed with his comedic style have lead Joe to be one of the most highly sought after speaking experts in the industry. Joe often makes speaking appearances and gives seminars at major events in the security community such as Black Hat, DEFCON, BruCon, Hacker Halted, Hacktivity and more.

Joe is the recipient of the 2009 EC-Council Instructor Circle of Excellence Award and the 2010 EC-Council Instructor of the Year Award. In addition, he is the founder and CEO of Strategic Security, Inc. an IT Security consulting firm that provides in-depth technical security assessments of your network, web application, and regulatory compliance gap analysis