Kodeco

Accelerator Bootcamps

Kodeco Android Bootcamp Syllabus

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Your fast track to in-demand development jobs for 2024! Learn to build professional Android apps from scratch in this intensive bootcamp, led by our team of industry experts. Build your development portfolio and get hired faster.

Concepts covered

- Android + Kotlin development
- Professional app building
- Portfolio development
- Interview prep + soft skills

Syllabus   Note: subject to change

Week 1: Git, Android Studio & Start Your First App

- Android Apprentice
- Getting Started with Git video course
- Your First Kotlin Android App: An App from Scratch video course

Week 2: Jetpack Compose & Finish Your First App

- Your First Kotlin Android App: Polishing the App video course
- Jetpack Compose: Getting Started video course
- Learning Strategies for Successful Developers article

Week 3: Kotlin Fundamentals

- Programming in Kotlin: Fundamentals video course

Week 4: Intermediate Kotlin

- Programming in Kotlin: Collections & Lambdas video course
- Programming in Kotlin: Functions & Custom Types video course
- Best practices for Object-Oriented Programming article

Week 5: Networking Basics

- Presentation on how legacy content translates to Compose
- Kotlin Coroutines: Fundamentals 2020 video course
- Android Networking: Fundamentals 2020 video course

Week 6: Kotlin Flow & Reactive Streams

- Kotlin Flow: Getting Started 2020 video course
- Reactive Streams on Kotlin: SharedFlow and StateFlow 2021 article

Week 7: App Architecture & Your Second App

- Presentation on how legacy content translates to Compose
- MVVM on Android video course (XML)
- Jetpack Compose video course episode about MVVM
- MVI on Android video course
- Your Second Kotlin Android App video course

Week 8: Navigation

- Presentation on Navigation in Compose
- Jetpack Navigation: Getting Started video course

Week 9: Animations

- Jetpack Compose Animations video course

Week 10: Data Persistence

- Room Database: Getting Started video course

Week 11: Saving Data

- Saving Data on Android video course
- Start on Capstone Project

Week 12: Debugging

- Beginning Android Debugging video course
- Optional: Android Debugging by Tutorials book
- Work on Capstone Project

Week 13: App Distribution

- Publish to the Google Play Store video course
- Android App Distribution video course
- Work on Capstone Project

Week 14: Capstone project due, next steps, mock interviews

- Finish Capstone Project
- Mock-interview session
- Recommended topics for post-graduation

Week 15: Demo Day & Graduation

- Capstone project showcase
- Graduation