



# Android Development



# Pick a Language

Kotlin



Java



# The Fundamentals

- Development IDE
- Basics of Kotlin
- Basics of OOP
- Data Structures and Algorithms
- What is and how to use Gradle ?
- Create a basic Hello World App



# Version Control Systems



Git



GitLab



BitBucket



GitHub



# App Components

- Activity
- Activity Lifecycle
- State Changes
- Tasks and backstack
- Services
- Content Provider
- Broadcast Receiver
- Intent
- Implicit Intents
- Explicit Intents
- Intent Filters



# Interface and Navigation

## Layouts

- Frame
- Linear
- Relative
- Constraint
- RecycleView
- Jetpack Compose
- App Shortcuts
- Navigation Components



# Interface and Navigation

## Elements

- TextView
- EditText
- Buttons
- ImageView
- ListView
- Tabs
- Fragments
- Dialogs
- Toast
- Bottom Sheet
- Drawer
- Animations



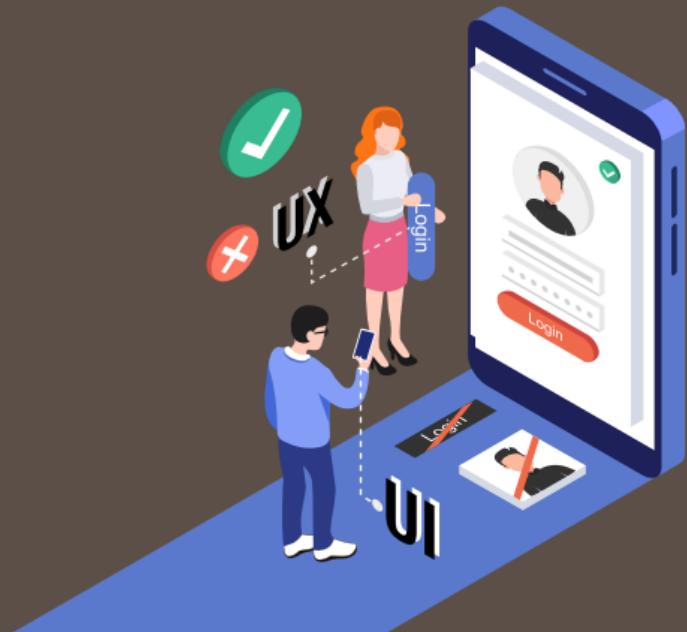
# Architecture and Design Patterns

- Repository Pattern
- Builder Pattern



# Observer Pattern

- Flow
- RxJava
- RxKotlin
- RxKotlin



# Dependency Injection

- Dagger
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- Factory Pattern



# Dependency Injection

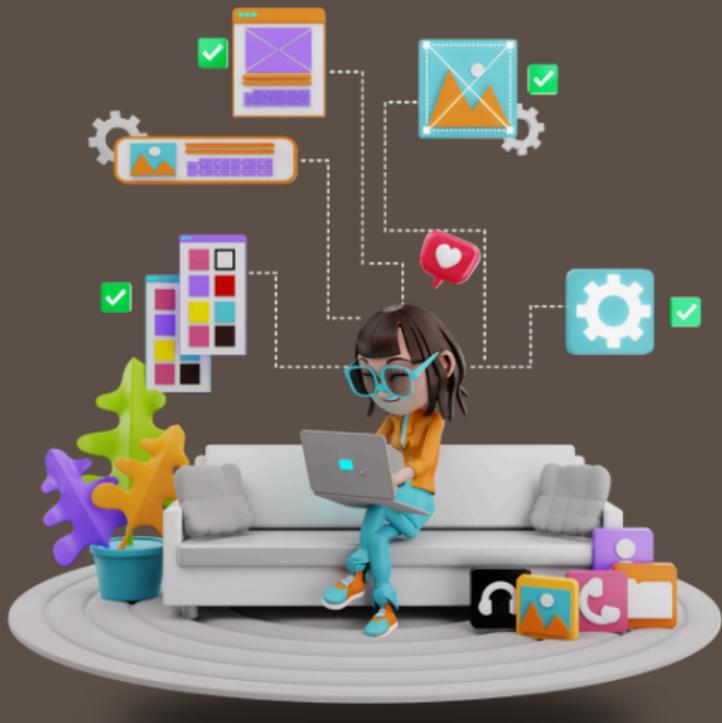
## Architectural Patterns

- MVI
- MVVM
- MVP
- MVC



# Storage

- Shared Preferences
- DataStore
- Room Database
- File System



# Network

- Retrofit
- OkHttp
- Apollo-Android



# Asynchronism

- Coroutines
- Threads
- RxJava
- RxJava
- RxKotlin
- WorkManager



# Common Services

## Firebase

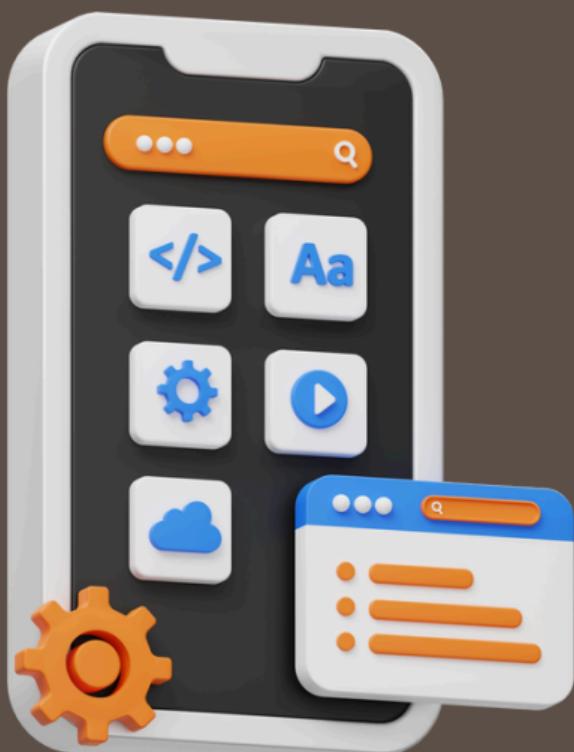
- Authentication
- Crashlytics
- Remote Config
- Cloud Messaging
- FireStore
- Google AdMob
- Google Play Services



# Linting

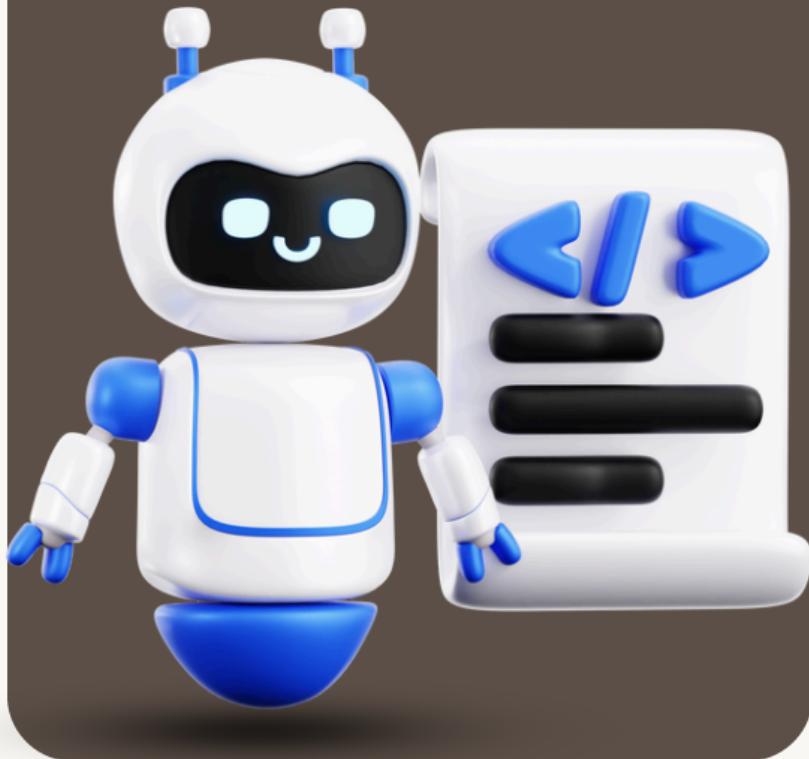
● Ktlint

● Detekt



# Debugging

- Timber
- Leak Canary
- Chucker
- Jetpack Benchmark



# Testing

- Espresso
- JUnit



# Distribution

- Firebase Distribution
- Google Playstore
- Signed APK





**SKILL FULL**  
Developer  
★★★★★

# Android Development

**APPLY  
NOW**

