

Michael Barker

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Android Engineer

Statesboro, GA 📍



Summary

- **Android Developer** with **2 years** of hands-on experience building and maintaining scalable mobile applications using **Kotlin** and **Java**.
- Proficient in design patterns (**MVI**, **MVVM**, **MVP**) and **Modern/Clean architecture**.
- Skilled in **UI/UX design** with **Jetpack Compose** and **XML**. Expertise in consuming **RESTful APIs** (**Retrofit**, **Ktor**), local storage (**RoomDB**), and dependency injection (**Dagger2/Hilt**, **Koin**).
- Experienced with **Firebase** (real-time DB, authentication, messaging, Crashlytics), and testing frameworks (**Mockito**, **JUnit**, **Espresso**).

Work Experience

Android Developer

Home Network Management App

Verizon - Irving, TX

Sep 2023 - May 2024

- Designed an app written in **Kotlin** and **Jetpack Compose**, with **MVVM** architecture with over 1000 concurrent users.
- Engineered **REST API** calls, allowing users to conduct speed tests, manage network-connected devices, establish parental controls, and receive real-time notifications.
- Integrated **IoT** technologies to display information regarding network notifications, motion sensing data and history, and updates to smart home devices.
- Managed **Google Play Store deployment**, ensuring compliance with Play Store guidelines and optimizing app performance for over **10,000 downloads**.
- Enhanced existing app features, optimizing **UI/UX design** and enhancing **memory management** to improve app performance and user experience.
- Refactored deprecated code to stay up-to-date with the latest technologies.

Junior Android Developer

Smart Display

Verizon - Irving, TX

Mar 2022 - Sep 2023

- Designed over 14 apps in **Kotlin** and **MVVM** architecture, each corresponding to a feature of the Smart Display hardware device.
- Integrated an **over-the-air (OTA)** module, using **REST APIs**, **Foreground Services**, **WorkManager**, and **Coroutines** to seamlessly and concurrently install app updates.
- Utilized **Broadcast Receivers** to respond to system-wide events on the device, and communicate across apps.
- Managed voice assistant intents from the **Amazon Alexa Skills Kit (ASK)**, as well as a custom Verizon Voice Assistant.
- Utilized **Bluetooth Low Energy (BLE)** to enable seamless communication across devices.
- Integrated other app services, such as streaming, video calling, and more.

Education

Bachelor of Science

University of Georgia - Athens, GA

*Computer Systems Engineering
Computer Science*

Skills

- Java
- Kotlin
- XML
- C / C++
- Android SDK
- Android Studio
- MVI, MVVM, MVP
- Clean Architecture
- Jetpack Compose
- XML View Components
- Dagger2 / Hilt
- Koin
- Retrofit
- Ktor
- Volley
- RoomDB
- Coroutines
- RxJava
- Material Design
- Firebase
- Google Play Services
- Git / Github
- Bitbucket
- Confluence
- JIRA
- Gradle
- CLI