

Usman Mahmood

Software Engineer - Android | Flutter

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SUMMARY

Results-driven **Android and Flutter** developer with around **4 years** of experience building native and cross-platform mobile apps in **Kotlin, Jetpack Compose, MVVM/Clean Architecture**, and **Flutter**. Delivered **8+ production apps** at global scale, including a **30% ad-revenue lift** through **AdMob** optimization. Strong in **BLE IoT**, AI features (**GPT chatbots**, facial tracking), and the **Firebase** ecosystem, with **CI/CD** automation across healthcare, fitness, energy, and wellness.

TECHNICAL SKILLS

Languages: Kotlin, Java, Dart, XML, JSON, C++

Android: Jetpack Compose, MVVM/MVI/Clean Architecture, Wear OS, Coroutines, RxJava, Material Design, TTS/STT, Hilt/Dagger/Koin, Product Flavors

Cross-platform: Flutter, Provider, state and navigation management

Backend and Data: Firebase (Auth, Firestore, FCM, Crashlytics, Remote Config, Analytics), REST APIs, Retrofit, Room, Datastore, SharedPreferences, SQL

IoT and AI: BLE, healthcare equipment, solar controllers, dual 9-axis gyroscope, **GPT/OpenAI API**, Visage SDK, TensorFlow, n8n, real-time analytics

DevOps and Other: Git/GitHub, GitHub Actions, Fastlane, **CI/CD**, WorkManager, AdMob, Google Maps API, Zoom SDK, Stripe

Spoken languages: English (Proficient), Urdu (Native)

WORK EXPERIENCE

Software Engineer - Android | Flutter, NextBridge, Lahore, Pakistan | **Aug 2025 - Present**

- Building professional team-management and education apps with video collaboration (**Zoom SDK**) on modern Android and Flutter stacks.

Software Engineer - Android, BrainX Technologies, Lahore, Pakistan | **Mar 2023 - Aug 2025**

- Shipped **4+ production apps** in Kotlin, Jetpack Compose, and MVVM/Clean Architecture with a **99.9% crash-free rate**.
- Raised in-app ad revenue **30%** via AdMob policy compliance, placement strategy, and ad preloading across client accounts.
- Built BLE IoT apps for healthcare equipment, solar controllers, and gyroscope sensors at **98% connection reliability**.
- Used Firebase (Crashlytics, Firestore, Analytics, Remote Config, FCM) for monitoring, feature rollout, push notifications, and engagement.
- Automated Play Store uploads with **Fastlane** and **GitHub Actions**; product flavors for multi-client branding.
- Shipped Wear OS companions and TTS/STT for accessibility; added GPT chatbots, Visage facial tracking, and analytics dashboards that lifted engagement **45%**.

Android Developer Intern, Code Aligned, Lahore, Pakistan | **Jul 2021 - Aug 2021**

EDUCATION

Bachelor's in Computer Science, University of Management and Technology, Lahore, Pakistan | **CGPA 3.71** | Feb 2019 - Feb 2023

Intermediate, Govt. College University Lahore, Pakistan | 2016 - 2018

PROJECTS

ReTeam by BeRemote LLC: Team management with video standups, Wall of Fame, and courses. Built course taking, enrollment, and progress tracking. Tech: **Kotlin, RxJava, Zoom SDK, Dagger, MVP**. [Play Store](#)

I-Hunt: Hunting-land marketplace with Stripe (reservations, escrow, refunds), offline sync, Maps routing, weather, and real-time chat. Tech: **Kotlin, MVVM, Dagger/Hilt, Stripe**. [Play Store](#)

Club Systems Member Portal: Fitness club app with booking, workout CRUD, FCM, Clean Architecture, and Kotlin Flow. Tech: **Kotlin, Jetpack Compose, Firebase, Fastlane, Koin, MVI**. [Play Store](#)

Go Power: Solar battery monitoring over BLE for multiple controllers; **98% reliability** across **200+ off-grid installs**. Tech: **Kotlin, XML, BLE, Crashlytics, MVVM**. [Play Store](#)

Dental Head Positioning and Tracking: Dual 9-axis gyroscope and Visage facial tracking for dental positioning; synced dual BLE streams. Tech: **Kotlin, C++, BLE, Visage SDK**.

Ponder: AI wellness app with GPT chat/voice coaching, psychology lessons, habits, and Google TTS/STT. Tech: **Flutter, Dart, Provider, OpenAI API**. [Play Store](#)

MOHE (uOhe): 360-degree health app with mReader BLE diagnostics, Maps, dark-theme UI, and Wear OS companion. Tech: **Kotlin, BLE, Maps API, Wear OS**. [Play Store](#)

Blikol: Therapeutic audio app for tinnitus management with **80% daily active user retention**. [Aptoide](#)

Plantlets: Plant e-commerce with live Firestore inventory and advanced search filtering. [GitHub](#)