

Ali Ahmed

Senior Android Engineer | aliahmedaiub@gmail.com | [LinkedIn](#) | +447448436006
[Portfolio](#) | [GitHub](#) | London, England

Professional Summary

Senior Android Engineer with **10 years of experience** in high-scale mobile application development across Tier-1 Banking (NatWest), Government (HMRC), and Telecom sectors. Specialized in building resilient, mission-critical systems using **Jetpack Compose**, **Kotlin Multiplatform (KMP)**, and advanced MVI/MVVM architectures. Proven expertise in leading technical strategy, mentoring engineering teams, and maintaining 90%+ test coverage.

Core Competencies

- **Languages:** Kotlin, Java, C++, Swift, Python
- **Architecture:** Multi-Module Clean Architecture, MVI, MVVM, SOLID Principles
- **UI/UX:** Jetpack Compose, XML, Material Design, GDS Standards, Figma/Adobe XD
- **DI/Asynchronous:** Hilt, Koin, Dagger2, Kotlin Coroutines, Flows, RxJava
- **Data/Networking:** Retrofit, Ktor, Room, GraphQL, SQLite, DataStore
- **DevOps/Lifecycle:** GIT, CI/CD Pipelines, Gradle, TDD/BDD, Agile/Scrum (Jira)
- **Advanced:** Kotlin Multiplatform (KMP), WorkManager, Firebase (FCM, Analytics)

Professional Experience

NatWest | London, UK

Senior Software Engineer (Android) | Oct 2024 – Present

- Leading the development and architectural evolution of the **Bankline** mobile application for NatWest commercial banking, serving corporate clients.
- Spearheading the transition to **MVI architecture** and **Jetpack Compose**, improving UI consistency and developer velocity.
- Mentoring junior and mid-level engineers through structured code reviews, technical workshops, and architecture pair programming.
- Optimizing the multi-module project structure and CI/CD pipelines to improve modularity and reduce build times.
- Collaborating with cross-functional stakeholders to deliver high-security financial features following industry-standard encryption.

Capgemini (Contract) | London, UK

Senior Android Developer | April 2023 – Oct 2024

- Developed and managed the **HMRC** android application for the UK government, ensuring high reliability for millions of taxpayers.
- Maintained **90% test coverage** across Unit, Integration, and E2E testing using JUnit, Mockito, and Espresso.
- Developed shared UI libraries using Jetpack Compose to standardize design across multiple government services.
- Ensured all features met strict accessibility (WCAG) and Government Design Service (GDS) standards.

Hamilton Capital Holdings | London, UK

Android Developer | *Dec 2022 – April 2023*

- Architected a crypto and payment application from the ground up utilizing Clean Architecture and MVVM.
- Designed the UI with **Jetpack Compose** while successfully migrating legacy XML screens.
- Leveraged cutting-edge technologies including Kotlin Coroutines, Flows, Hilt, and Room for a robust offline-first experience.
- Created comprehensive technical documentation for application architecture and complex onboarding flows.

VoxSmart LTD | London, UK

Android Developer | *March 2022 – Dec 2022*

- Developed and maintained a high-security financial communication and surveillance Android application.
- Implemented the MVVM design pattern while successfully **migrating the entire project from Java to Kotlin**.
- Optimized application performance and background synchronization using WorkManager.

BRAC Bank Limited | Dhaka, Bangladesh

Associate Manager (Android) | *Oct 2019 – March 2022*

- Architected advanced financial mobile applications (Astha), achieving **over 1M subscribers** in a short period.
- Awarded **Employee of the Year (2021)** for leadership in digital banking delivery.
- Managed end-to-end design, deployment, and information security maintenance of retail banking applications.

Wipro Limited | Dhaka, Bangladesh

Senior Software Engineer (Android) | *March 2018 – Oct 2019*

- Conceptualized and developed native Android applications including UI, core functionality, and third-party SDK integrations.
- Awarded **Best Delivery Team (Galaxy Award)** in Q3 and Q4 2018-19.

Education

American International University-Bangladesh (AIUB)

BSc in Computer Science and Software Engineering | 2013 – 2017

- **CGPA: 3.96/4.00** (Summa Cum Laude / Gold Medalist). Recipient of Merit-based scholarship.

Certifications

Blockchain and Bitcoin Fundamentals, Complete iOS 12 & Swift Bootcamp, Mobile UI & UX, ITES Java Top-Up Training.