ASHIK IQBAL

Mobile Software Engineer | Android · iOS (Kotlin Multiplatform) · Spring Boot

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PROFESSIONAL SUMMARY

Mobile Software Engineer who builds and ships production Android and iOS apps end to end with Kotlin, Kotlin Multiplatform (KMP/CMP), Jetpack Compose, and SwiftUI, including personally publishing to the Apple App Store. Sole engineer behind SMACian, a KMP + Spring Boot platform for 500 employees: designed the architecture, built the backend, database, and mobile app, and deployed it with Docker to Oracle Cloud. Solo developer of Uplift NLS, a corporate HRMS app. Strong in MVVM, Clean Architecture, REST APIs, and Firebase, with an ownership mindset and the ability to deliver with little guidance.

TECHNICAL SKILLS

Languages	Kotlin, Java, Swift, SQL, Python, C, C++
Mobile & UI	Android SDK, Jetpack Compose, Kotlin Multiplatform (KMP), Compose Multiplatform (CMP), SwiftUI, XML, Android TV, Figma
Architecture	MVVM, Clean Architecture, SOLID, OOP, System Design
Jetpack & Async	ViewModel, StateFlow, LiveData, WorkManager, Coroutines, Flow, Dagger Hilt, Koin
Networking	Retrofit, OkHttp, Ktor Client, Kotlinx Serialization, REST API, JSON, Google Maps API, Location Services
Backend & Database	Spring Boot, RESTful API design, JWT Authentication, RBAC, PostgreSQL, MySQL, Supabase
Firebase & Cloud	FCM, Analytics, Crashlytics, Realtime Database, Docker, Docker Compose, Nginx, Oracle Cloud
Testing & CI/CD	JUnit, MockK, Espresso, Postman, GitHub Actions, GitHub Container Registry (GHCR)
Tools & Workflow	Git, Android Studio, Xcode, VS Code, Agile/Scrum, AI-assisted development with Claude Code

PROFESSIONAL EXPERIENCE

Junior Software Engineer | SMAC IT LTD | Dhaka, Bangladesh *Jun 2025 – Present*

SMACian – *Internal employee networking platform (Android, iOS & backend) | Sole Engineer*

- Designed, built, and deployed SMACian end to end as the sole engineer (architecture, backend, database, mobile app, cloud) for 500 current and former SMAC employees; live in production since Oct 2026.
- Designed the PostgreSQL data model and built the Spring Boot REST backend with JWT authentication and role-based access control.
- Built a shared Android and iOS frontend from a single codebase with Compose Multiplatform, Ktor Client, and Koin.
- Built a cursor-based paginated newsfeed with infinite scroll (the approach used by Facebook and LinkedIn) for fast, consistent loading without duplicate or skipped posts as new content arrives.
- Delivered profiles, career history, job posts, employee search, and blood group requests from database to UI.
- Containerized the backend with Docker Compose and Nginx on Oracle Cloud, with images published to GHCR and GitHub Actions CI.
- Built a self-hosted in-app update system to roll out mandatory APK updates without the Play Store.

Uplift NLS – *Corporate HRMS mobile application (Android & iOS, KMP) | Solo Developer*

- Single-handedly built Uplift NLS for the Nevian LifeScience workforce on Android and iOS with Kotlin Multiplatform, Jetpack Compose, and SwiftUI, and personally published it to the Apple App Store.
- Developed attendance tracking with Google Maps and location services, leave applications, delegation, expense tracking, and automated reporting.
- Integrated REST APIs via Retrofit and implemented real-time push notifications with Firebase Cloud Messaging (FCM).
- Owned the full mobile lifecycle from Figma designs to release, working with designers, backend developers, and QA in an Agile team.

CLIENT PROJECTS

MinarOS | Android TV Kiosk Display System | Kotlin · Android TV · WebView *May 2026*

- Delivered an Android TV kiosk app for remote display content management across dozens of mosques.
- Built a WebView display container with kiosk/lock-task mode, auto-start on boot, and network connectivity monitoring.
- Implemented offline-first caching, D-pad/remote navigation, and localized settings so on-site staff can configure each display.

EDUCATION

BSc in Computer Science & Engineering | National Institute of Textile Engineering and Research (NITER), Bangladesh *2022 – 2026*

COURSES & CERTIFICATIONS

Docker Training Course for the Absolute Beginner – KodeKloud *Oct 2026*

Mastering Kotlin Flow: A Comprehensive Guide to Reactive Data Streams – Droidcon Academy *Jul 2026*

Android App Development with Kotlin – Bohubrihi *Mar 2025*

LEADERSHIP & EXTRACURRICULAR

Advisor, App Segment | NITER Computer Club (NCC) – mentor junior Android/Kotlin developers *May 2026 – Present*

Vice President | NITER Computer Club (NCC) – led workshops and hackathons for 100+ members *May 2025 – May 2026*