

Md Sabbir Ahmed Khan

Senior Android Engineer | Mobile Platform Specialist | AI-Augmented Development

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PROFESSIONAL SUMMARY

Senior Android Engineer with 12+ years of end-to-end mobile development experience across fintech, drone technology, health tech, enterprise SaaS, and consumer apps. Recognized for deep technical specialisation in native Android (Kotlin, Jetpack, MVVM/MVI), architectural ownership, and the ability to deliver complex, production-grade applications independently.

Currently leading Android engineering at a Singapore-based drone-tech company, owning the full rewrite of a mission-critical DJI drone control application and establishing team-wide architecture standards. Early adopter of Kotlin Multiplatform (KMM) and Compose Multiplatform, with growing investment in AI-augmented development workflows using tools such as Claude Code, Gemini CLI, and GitHub Copilot.

Targeting Senior Android Engineer, Staff Android Engineer, or Lead Android Engineer roles in Europe, APAC, the Middle East, or ANZ — with particular interest in product-led companies operating at scale in mobile-first, AI-integrated, or IoT-adjacent environments.

CORE SKILLS

Android Engineering: Kotlin, Java, Jetpack Compose, MVVM, MVI, Coroutines & Flow, Hilt/Dagger, Retrofit, Room, Firebase, TCP/UDP Sockets, DJI Mobile SDK, CI/CD, Fastlane, Unit Testing

Cross-Platform & Emerging: Kotlin Multiplatform (KMM), Compose Multiplatform, WearOS, IoT / Hardware Integration, Real-time Communication, Payment Gateway Integration

AI-Augmented Development: Claude Code, Gemini CLI, ChatGPT Codex, GitHub Copilot, Cursor IDE, Prompt Engineering, LLM Integration, Generative AI tooling

Architecture & Delivery: Multi-module Architecture, System Design, End-to-end Feature Delivery, Agile/Jira, Technical Mentoring, Hiring Interviews, Stakeholder Communication

PROFESSIONAL EXPERIENCE

Senior Android Engineer | Avetics Global Pte Ltd | Dec 2022 – Present | Singapore

Drone-technology company building enterprise UAV solutions for inspection, surveillance, and infrastructure monitoring.

- Owned the full architectural rewrite of the company's flagship Android drone-control application from scratch, integrating DJI Mobile SDK with real-time camera feeds and autonomous flight operations — now in active production use.
- Defined and introduced multi-module architecture (MVVM and MVI patterns) across the Android codebase, establishing team-wide engineering standards that improved maintainability and onboarding speed.
- Designed and implemented TCP socket infrastructure for real-time hardware-to-device communication and low-latency data transfer, alongside full Firebase integration (authentication and real-time database).
- Mentored engineers across the 6-person Android team, driving adoption of Jetpack Compose, Hilt DI, and Kotlin Coroutines to raise code quality and delivery consistency.
- Championed AI-assisted development practices — embedding Claude Code, Gemini CLI, and Cursor IDE into the team's workflow to accelerate feature delivery and reduce debugging cycles.

Android Engineer | GrowFolio (formerly Plentina) | Feb 2022 – Nov 2022 | Remote (US-based company)

Fintech startup accelerating access to credit and BNPL services in Southeast Asia (Philippines and Vietnam).

- Led Android development of the 'Plentina: Buy Now, Pay Later' application using Jetpack Compose and Kotlin Coroutines, enabling installment-based commerce for users across two Southeast Asian markets.
- Contributed to the company's R&D initiative on Kotlin Multiplatform Mobile (KMM), implementing early cross-platform infrastructure and Firebase Cloud Messaging for push notification delivery.
- Integrated multiple third-party payment gateways, ensuring reliable, low-friction transaction processing within the app's core purchase flow.
- Applied Kotlin Flow for complex asynchronous state management, improving code readability and eliminating callback-chain patterns across the codebase.

Lead Software Engineer II | Samsung R&D Institute Bangladesh | Oct 2019 – Feb 2022 | Dhaka, Bangladesh
R&D centre for Samsung Electronics, contributing to consumer health and smart home product lines.

- Developed health-tracking Android applications with server-side synchronisation and local persistence using Room, contributing to Samsung's consumer health ecosystem.
- Built WearOS companion applications for health activity monitoring, extending the health platform to wearable devices.
- Contributed directly to feature development within the Samsung SmartThings iOS application, demonstrating cross-platform adaptability.

Android Application Developer | Kutumbita Bangladesh Ltd | Nov 2018 – Sep 2019 | Dhaka, Bangladesh
AI-powered workforce management platform for the garments industry.

- Designed and built a full-featured internal communication platform (Kinship.ai) from scratch — including real-time chat, event announcements, and leave management — using Socket.io and Firebase Cloud Messaging.
- Managed the complete application lifecycle independently, from architecture and development through testing, deployment, and publication on the Google Play Store.

EARLIER CAREER

Chairman and Lead Mobile Developer | Power GP BD Limited | Jan 2012 – Oct 2018 | Dhaka, Bangladesh

- Founded and led a mobile development company, delivering over 100 Android applications across diverse client verticals including enterprise, B2B, and consumer.
- Received two awards from the Facebook Startup Program in recognition of high-impact mobile application development.

SELECTED PROJECTS

V-Assist (Volarious) | Apr 2024 – Present

- Production application for drone-assisted line status monitoring; leveraged AI tools throughout the full development lifecycle for accelerated delivery. Published on Google Play Store.

Plentina: Buy Now, Pay Later | Feb 2022 – Nov 2022

- BNPL application live in two Southeast Asian markets, built on Jetpack Compose and Kotlin. Partnered with trusted retail and payment providers across the Philippines and Vietnam.

Samsung Health App with WearOS Integration | Oct 2019 – Jan 2022

- Comprehensive health tracking application with wearable integration, contributing to Samsung's consumer wellness product line.

EDUCATION

Bachelor of Science, Computer Science and Engineering

Ahsanullah University of Science and Technology | Dhaka, Bangladesh | 2007 – 2012

ADDITIONAL INFORMATION

Languages: Bengali (native), English (professional proficiency)

Location: Singapore (open to relocation to Europe, APAC, Middle East, ANZ with visa sponsorship)

Work Authorisation: Bangladesh (no sponsorship required); all other markets require visa sponsorship

Development Profiles: GitHub: github.com/sabbirreyjohn | Stack Overflow: stackoverflow.com/u/1340537