

Abdullah Zowad Khan

Senior Android Engineer with 8+ years of experience building and scaling applications used by 10M - 100M+ users. Strong focus on performance, stability, and modern Android architecture (Kotlin, Compose, Coroutines/Flow), with additional experience across backend and embedded systems.

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LinkedIn: [Abdullah Zowad Khan | LinkedIn](#), **GitHub:** [AZKZero \(Abdullah Zowad Khan\) · GitHub](#), **StackOverflow:** [User Abdullah Z Khan - Stack Overflow](#)

Languages: English(Fluent), Bengali(Native), **Education:** B.Sc. in Engineering, Department of EEE, University of Chittagong, Session 2014-15

Technical Skills and Expertise

- **Languages:** Kotlin, Java, C++, Python, TypeScript
- **Android:** Jetpack Compose, Coroutines, Flow, Room, Retrofit, LiveData, RecyclerView, Pagination
- **Libraries & DI:** Dagger, Koin
- **Tools & Platforms:** Git, Firebase, Google Maps, Gradle

Job Experience

- [Bitsmedia Pte Ltd](#) **Software Engineer (2026 - Present, Singapore, Remote)**
 - ◆ Increased **ANR-free rate from 97% to 98%** and **crash-free rate from 98% to 99%** through targeted stability improvements
 - ◆ Diagnosed and resolved critical production crashes within 24 hours, enabling rapid hotfix delivery
 - ◆ Delivered re-engagement features to improve retention across a 100M+ user base
 - ◆ Implemented **app-wide Edge-to-Edge UI support** across legacy and modern components
- [Brain Station 23](#) **Senior Software Engineer I - II (2023 - 2026, Dhaka, Bangladesh)**
 - ◆ **Led a 4-developer squad delivering features for large-scale TelCo apps**
 - ◆ Delivered **Widevine DRM** integration for OTT services (Toffee)
 - ◆ Led **migration from XML to Jetpack Compose** in a large legacy codebase, ensuring stability and backward compatibility
 - ◆ Contributed to reducing technical debt and aligning the team on modern Android coding standards
 - ◆ **Engineered a custom Android Studio Plugin to automate boilerplate Repository layers and folder generation**, ensuring architectural consistency across the team
 - ◆ **Developed a Zsh automation script** that integrates the Jira REST API with Git commit prefixes to auto-generate release documentation and track issues, reducing manual overhead by ~20%.
 - ◆ Mentored engineers in advanced debugging and production issue resolution
 - ◆ **Maintained high crash-free rates (98.5%+)** across releases while improving system stability
 - ◆ **Resolved critical dependency and artifact issues (JCenter deprecation, Play Store requirements)**
- [Red.Digital Limited](#), **Lead Software Developer (2022 - 2023, Dhaka, Bangladesh)**
 - ◆ **Led a 3-developer team delivering features for high-scale TelCo apps**
 - ◆ Diagnosed and resolved critical third-party SDK integration issues to stabilize production releases
 - ◆ Maintained crash-free rates above 98.5% through proactive monitoring and fixes
- [Technext Limited](#), **Android Developer (2021 - 2022, Dhaka, Bangladesh)**
 - ◆ Developed features for a **WireGuard-based VPN** system, including Android client and backend services
 - ◆ Contributed to backend systems using NestJS (API layer) and Flask (VPN server orchestration)
 - ◆ Designed a multi-marker routing system on Google Maps with nested paths and editable UI representations
 - ◆ Built a custom spreadsheet-like editable grid for handling large, dynamic datasets
- [Admission Assistant Ltd](#), **Software Developer (2018 - 2021, Dhaka, Bangladesh)**
 - ◆ **Built the Android application from scratch, scaling to 100K+ users**
 - ◆ Owned end-to-end development: architecture, features, and production deployment
 - ◆ Developed backend services (Node.js) to support mobile features and APIs
 - ◆ Worked in a fast-moving startup with evolving product requirements and no pre-defined architecture
- [Rumy Technologies Ltd](#), **Junior Embedded Systems Engineer (2017 - 2019, Chittagong, Bangladesh)**
 - ◆ Developed Android applications for geolocation-based attendance systems
 - ◆ Implemented embedded components for biometric devices using ESP-based hardware
 - ◆ **Built a C++ driver/plugin for SM25 sensor integration with NodeMCU systems**

Key Achievements

- Contributed to apps serving 100M+ users globally ([Muslim Pro](#))
- Contributed to TelCo apps serving 10M - 50M+ users across Bangladesh: [MyBL](#), [RYZE Bangladesh](#), [My Robi](#), [My Airtel](#)
- Built a VPN system spanning an Android client, API server, and VPN infrastructure