

Abu Raihan Rony

Mobile Application Developer

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Technical Skills

Languages & Frameworks: Kotlin, Java, Dart, XML, Android SDK, Flutter, Jetpack Compose, Kotlin Multiplatform, Ktor

Architecture & Patterns: Clean Architecture, MVVM, MVP, MVC, Modular Architecture, Jetpack Components

Tools & Technologies: Android Studio, Gradle, Dagger 2, Hilt, Coroutines, Room, Retrofit, Firebase (Auth, Firestore, Realtime DB, FCM, Crashlytics), RESTful APIs, Push Notifications, Location Services, SQLite, WorkManager

Experience

Envobyte LTD

Jun 2025 – Present

Senior Software Engineer (Android & iOS)

Khulna, Bangladesh

- Developed and maintained native Android applications using **Kotlin**, and cross-platform mobile applications for **Android** and **iOS** using **Kotlin Multiplatform**.
- Applied **Clean Architecture** principles with **Dagger Hilt**, **Koin**, **Kotlin Coroutines**, **Flow**, and **Retrofit**, improving **scalability**, **maintainability**, and **asynchronous** data handling.
- Led the mobile application development team**, managing feature development, architecture decisions, and ensuring **agile sprint delivery** and **code quality standards**.
- Performed **regular code reviews**, **debugging**, and **performance optimization**, while collaborating with **UI/UX designers**, **backend engineers**, and **product managers** to deliver high-quality mobile applications.

Genofax® Life Sciences (Australia-based multinational company)

Aug 2022 – Dec 2024

Software Engineer - Android

Dhaka, Bangladesh

- Developed and maintained native Android applications using **Java** and **Kotlin**, and cross-platform mobile applications for **Android** and **iOS** using **Flutter**.
- Engineered key features, including complex **UI** elements and real-time data synchronization, for a large-scale **Android** application in the health and wellness sector.
- Implemented **Clean Architecture** principles leveraging **Dagger Hilt** for dependency injection and **Kotlin Coroutines** for efficient **asynchronous programming**, significantly improving code maintainability and scalability.
- Led **mobile app development teams**, consistently delivering projects on schedule and meeting product deadlines.
- Collaborated effectively with cross-functional teams, including **designers** and **product managers**, throughout the software development lifecycle to deliver high-quality mobile applications and exceptional user experiences.

Prime IT

Feb 2022 – May 2022

Android Developer

Narayanganj, Bangladesh

- Developed native **Android** applications using **Java** and **Kotlin**, and cross-platform applications using **Flutter**.
- Developed the application from specifications and requirements gathering.
- Integrated and worked with external **RESTful APIs** and managed adaptive layouts for diverse **screen sizes**.
- Implemented **MVVM Architecture** utilizing **Dagger Hilt** and **Kotlin Coroutines** for structured development.
- Introduced new technologies to enhance overall development efficiency.

SoftLab IT

Dec 2019 – Jan 2022

Android Developer (Part-Time)

Dhaka, Bangladesh

- Developed native **Android** applications using **Java** and **Kotlin**, ensuring robust functionality and performance.
- Built applications from initial specifications and gathered requirements.
- Adapted **UI** layouts to support various **screen sizes** and resolutions, providing a consistent user experience across devices.
- Integrated **third-party libraries**, **APIs**, **offline storage solutions (SQLite)**, **threading**, and local databases to enhance application capabilities.
- Collaborated closely with **designers** and **product managers** to deliver intuitive and visually appealing applications.

Education

Daffodil International University

Jan 2018 – Jan 2022

Bachelor of Science in Computer Science & Engineering

Dhaka, Bangladesh

Projects

Turner: LiveVoiceTranslator ([Android](#) & [iOS](#)) | Envobyte LTD

December 2025 - January 2026

- Led the end-to-end development of a real-time voice and camera translation app using **Kotlin Multiplatform (KMP)** and **Jetpack Compose**, achieving **90%+ shared code** across Android and iOS.
- Implemented **Voice translation, Camera OCR, and Conversation** mode using **Google ML Kit**, with **Clean architecture, Koin DI, Ktor networking, and Room** for scalable app structure.
- Integrated **cross-platform subscription billing** using **RevenueCat**, along with **AdMob** and **Firebase (Analytics, Crashlytics, App Check)**, and **managed performance optimization and App Store deployment**.

ImproveType: AI-Powered Android Keyboard ([Android](#)) | Envobyte LTD

October 2025 - February 2026

- Led end-to-end development of an **AI-powered keyboard (IME)** supporting **56+ languages**, built with **Kotlin, Jetpack Compose, MVVM, and Clean Architecture** using a **multi-module architecture** for scalability.
- Developed advanced features including **AI text suggestions, grammar correction, voice input, clipboard history, and dynamic keyboard layouts**, with **Room, Ktor, Coroutines, and DataStore** for efficient data handling.
- Integrated **Google Play Billing, AdMob, and Firebase (Analytics, Crashlytics, App Check)** and optimized performance with **baseline profiles, ProGuard/R8, and modular architecture** for production deployment.

Genofax ([Android](#) & [iOS](#)) | Genofax® Life Sciences

Sep 2022 - Dec 2024

- Developed and maintained a dual-platform health application for **Android** and **iOS**, focusing on health assessment and well-being tracking.
- Led **Android development** using **Kotlin, XML, and MVVM architecture**, implementing **Dagger Hilt** for **dependency injection**, **Retrofit** for **API communication**, and **Kotlin Coroutines** for **asynchronous operations**.
- Managed **iOS development** utilizing **Flutter, Dart, MVC architecture, and GetX** for state management, ensuring a consistent cross-platform experience.
- Built complex, user-friendly UI for health data visualization and optimized **performance, stability, and cross-platform consistency** with regular testing and code reviews.

Amar Arabi Ovidhan - Dictionary App ([Android](#))

Mar 2022 - Mar 2023

- Rebuilt and modernized an **Android dictionary app** with an enhanced **UI** for improved user experience.
- Implemented **user authentication**, word list browsing, search functionality, and bookmark management.
- Enabled **offline access** to Word data via locally stored information (**Room** database).
- Developed using **Kotlin, XML, MVVM architecture, Dagger Hilt** for **dependency injection**, **Retrofit**, **Room**, and **Kotlin Coroutines**.

Prime Bazar - E-commerce App ([Android](#)) | Prime IT

Feb 2022 - May 2022

- Contributed to the development of an **e-commerce application** using **Flutter**.
- Optimized codebase for improved **performance** and maintainability.
- Added new features, updated **UI** elements, and resolved bugs to enhance user experience.
- Focused on ensuring application **performance, scalability, and high code quality**.

SB-Live - Live Stream Video Chat ([Android](#))

Mar 2022 - Dec 2022

- Developed an **Android social platform** for **real-time live streaming** and video chat from scratch.
- Enabled user broadcasting, connection, and engagement through interactive features like virtual gifts.
- Integrated **Agora SDK** for **live streaming** capabilities & **Firebase Authentication** for user login and **Firebase Realtime Database** for real-time data syncing.
- Focused on optimizing app **performance, scalability**, and ensuring **high code quality** with regular **code reviews** and **testing**.

Training

BASIS Institute of Technology & Management Limited (BITM)

Jul 2018 – Dec 2018

Android Application Development

Dhaka, Bangladesh

Languages

Bangla

English

Native or Bilingual Proficiency

Professional Working Proficiency