

# Md. Rohan Islam

**Android Developer | Java & Kotlin | Firebase | MVVM**  
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## SUMMARY

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Android Developer with hands-on experience building and shipping real-world Android applications using Java, Kotlin, Firebase, and REST APIs. Skilled in developing apps from scratch, implementing secure authentication, and optimizing performance, memory usage, and battery efficiency. Experienced in MVVM and Clean Architecture, crash debugging, ANR fixing, and delivering stable production-ready releases.

## TECHNICAL SKILLS

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**Languages:** Java, Kotlin, JavaScript

**Android:** Android Studio, XML UI, Jetpack Compose, MVVM, Clean Architecture, Room, Retrofit, OkHttp, Coroutines, Flow, Navigation, WorkManager, Paging

**Firebase:** Authentication, Firestore, Realtime DB, Cloud Messaging, Crashlytics

**Backend/Integration:** REST APIs, JSON Parsing

**Tools:** Git, GitHub, GitHub Actions, Gradle

**Familiar With:** React, Node.js, MongoDB, Mongoose

## WORK EXPERIENCE

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### Junior Software Developer

Aug 2025 – Present

*Remote (Chinese Company)*

- Built and maintained Android features using Java, Kotlin, MVVM, and Firebase.
- Reduced crash rate by 30% by debugging crashes and ANRs using Crashlytics.
- Integrated REST APIs and optimized network calls.
- Improved app load time by 40% via database and caching optimization.
- Implemented UI screens from designs with smooth navigation and animations.
- Collaborated with backend, UI/UX, and DevOps teams to deliver releases.
- Tested features and supported production builds and bug fixes.

## ANDROID PROJECT HIGHLIGHTS

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### Cash Book – Income Expense Tracker

GitHub

*Offline-first finance app*

- Built offline-first finance app with reminders, reports, and cloud sync.
- Implemented Firebase authentication and PDF export.
- **Tech:** Java, Room, Retrofit, Firebase, MVVM

### Tic-Tac-Toe Android Game

GitHub

*Multiplayer Android game*

- Developed UI navigation, animations, and multiplayer game logic.

### SafeGas – Android & IoT Gas Safety System

2025

*Capstone Project*

- Developed Android app with Firebase authentication and persistent login.
- Integrated gas, smoke, and flame sensors with actuator for automatic gas shut-off.
- Delivered real-time alerts and emergency quick-call features.
- **Tech:** Java, Firebase, Embedded Sensors

### Smart Home Management App (EHOME Pro Based)

*Android App*

- Built Bluetooth-based control panel using HC-05 module.
- Implemented connection manager and secure login system.
- **Tech:** Java, Bluetooth, Android

## ADDITIONAL PROJECTS

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### Mina Middle East Website

Live Site

*Production website*

– Developed responsive production website for real business usage.

## APP FEATURES EXPERIENCE

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- Firebase Authentication and secure user data handling
- Push notifications and background tasks
- Offline-first Room database
- REST API integration and error handling
- PDF generation and file export
- Crash debugging and ANR fixing

## PROFESSIONAL SKILLS

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- Problem-solving and debugging mindset
- Team collaboration and communication
- Agile and fast-paced work environment experience
- Strong ownership and self-learning ability

## TOOLS & TECHNOLOGIES

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- Git workflow, branching and pull requests
- Gradle build system and release signing
- Logcat debugging and Crashlytics monitoring
- Postman API testing and JSON debugging
- Material Design and responsive layouts
- APK/AAB generation and release preparation

## PROFESSIONAL CONTRIBUTIONS

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- Actively follow Android best practices and modern development guidelines.
- Continuously learn new Android libraries and performance techniques.
- Stay updated with Android ecosystem and Google Play policies.
- Passionate about building reliable and user-friendly mobile apps.

## OPEN SOURCE & GITHUB ACTIVITY

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- Maintain active GitHub profile with Android and web projects.
- Publish learning projects and experiments regularly.
- Use GitHub for version control and project documentation.

## EDUCATION

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### Bangladesh University of Business and Technology

Dhaka

*B.Sc. in Computer Science & Engineering (CGPA: 3.70)*

2022 – 2025

## ACHIEVEMENTS

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- Top 3 – BUBT Intra University Programming Contest
- Team Lead Award – Excelerate Program
- Project Manager Certificate – Excelerate
- Successfully delivered multiple Android and web projects for real-world use