

RAFSAN AHMAD

Mobile Application Developer/ Software Engineer – Dhaka, Bangladesh

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Professional Summary

Software Engineer with 8 years of experience designing and delivering high-performance mobile applications using **Java** and **Kotlin**. Experienced in building robust solutions for **iOS** and **Android** platforms, optimizing application performance, and implementing scalable architectures. Proven ability to leverage diverse software technologies to resolve complex development challenges, enhance user experience, and drive project success.

Core Skills / Technologies

- Programming Languages: Java, Kotlin, Swift, Dart
- Frameworks & Libraries: Android SDK, NDK, Jetpack Compose, SwiftUI, Spring-Boot, Flutter
- Tools & Platforms: Xcode, Android Studio, Git, Jira, CI/CD (Jenkins, GitHub Actions)
- Databases & APIs: REST, GraphQL, SQLite, Room, Firebase, Core Data
- Methodologies & Practices: Unit Testing, TDD, Agile/Scrum, App Optimization

Professional Experience

Software Development Engineer II Samsung R&D Institute, Bangladesh

02/2022 – Current

Research and development facility for new technologies and products in the mobile sector

- Enhanced IoT device functionality by developing **5 key features in Samsung Smart-Things Location module**.
- Led location module management for Smart-Things iOS, supporting **millions of active users** and ensuring reliable geolocation services.
- Refactored network requests to REST-based architecture, integrating data layers and cutting application **build time by 40%**.
- Improved application stability by **reviewing over 1,000 code commits**, increasing maintainability and code quality.

Software Engineer, Mobile Application

Korbyt (Formerly RMG networks), Bangladesh

11/2017 – 12/2021

Digital signage company focusing on effective employee communication tools.

- Developed **KorbytGO**, an employee communication app, enhancing engagement across 1000+ users.
- Contributed to **NVIDIA Shield Android** integration for Korbyt's Embedded Android Player, improving platform compatibility and stability.
- Refactored monolithic screens to **MVVM architecture**, creating fully testable components and **reducing app bug frequency by 25%**.
- Implemented **Android Jetpack Architecture Components**, increasing app modularity and maintainability.

- Enhanced **Korbyt CMS Builder module**, developing core digital signage player components used by thousands of enterprise users.

Education

Bachelor of Science in Computer Science and Engineering 2011 – 2015
 Islamic University Of Technology (IUT), Bangladesh
 Result: CGPA 3.55/4.0

Language Skills

English – Full Professional Proficiency (IELTS 7.5)
 Japanese – Business Conversational Proficiency (NAT N4 Certified)

Certifications

- Kotlin Essential Training: Functions, Collections, and I/O
- Advanced Java Programming
- Kotlin for Android: Best Practices
- iOS 15 Development Essential Training
- iOS App Development: Design Patterns for Mobile Architecture
- Advanced iOS App Development: MapKit & Core Location
- Agile Project Leadership

Honors and Awards

- OIC awarded full scholarship for 4 years of undergraduate study. 2012-2015
- Being listed in the Top 15 programming answerers from Bangladesh in Stack Overflow 2018
- KorbytGO – ISE Award Winner for Best ProAV Mobile App. 2019
- Ranked among the top 10 Github contributors from Bangladesh. 2022
- SmartThings won best project from the Software Development category in Q1 at Samsung R&D Institute Bangladesh (SRBD).
- Nominated for Star Engineer award for outstanding performance from SRBD. 2023
- Successfully passed Samsung's Software Advanced and Professional Certification Exam. 2024