MD FAZLE RABBI

Senior Mobile App Developer · Android (Kotlin) · Flutter · iOS (Swift) · KMP

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PROFESSIONAL SUMMARY

Senior Mobile App Developer with 10+ years of experience building native Android and cross-platform Flutter applications for enterprise, fintech, retail and e-commerce clients. Delivered Walton Plaza POS (live on Google Play) end to end — Kotlin, Jetpack Compose, Clean Architecture (MVVM/MVI), Hilt/Dagger and Coroutines/Flow — from architecture and pixel-perfect UI through Play Store release. Also delivered Flutter (Dart, BLoC/Provider) and native iOS (Swift) apps, with REST/GraphQL APIs, Room/SQLite and Firebase. Works independently with full ownership, building maintainable, modular code with a focus on performance and app lifecycle.

CORE TECHNICAL SKILLS

Native Android	Kotlin, Java, Android SDK, Jetpack Compose, Jetpack & Android Architecture Components (ViewModel, LiveData, Navigation, Room, Paging, DataStore), Material Design
Cross-platform	Flutter (Dart, BLoC, Provider, Clean Architecture), Swift (iOS), Kotlin Multiplatform (KMP), Compose Multiplatform, UniFFI (Mozilla) / Flutter Rust Bridge, Tauri (v2+)
Architecture	Clean Architecture, MVVM, MVI, BLoC, Modularized App Architecture, SOLID & Design Patterns
Async & Networking	Kotlin Coroutines, Flow, RxJava, RESTful APIs, Retrofit, OkHttp, Apollo GraphQL, JSON, WebSocket
Dependency Injection	Hilt, Dagger 2, Koin, Kodein
Local Persistence	Room, SQLite, Jetpack DataStore, SharedPreferences, Firebase Firestore
Firebase	Crashlytics, Analytics, Cloud Messaging (FCM / Push Notifications), App Distribution
Release & CI/CD	Google Play Console, Apple App Store Connect, App Signing & Versioning, CI/CD (GitHub Actions, Bitbucket Pipelines, Fastlane), JUnit, Mockito, Espresso
Backend & API	Rust (Axum) + PostgreSQL (preferred), Node.js/GraphQL, Python, PHP/Laravel, MySQL, REST & GraphQL API Design
Tools & Process	Git (GitHub, GitLab, Bitbucket), GitFlow, Agile (Scrum/Kanban), JIRA, ClickUp, Postman, Figma

PROFESSIONAL EXPERIENCE

Senior Additional Director, ICT (Lead Mobile Engineer) | Walton Group
2021 – Present

- Led native Android development of **Walton Plaza POS**, a field-operations app for Walton Plaza's outdoor workforce covering collections, payments, targets and training content — Kotlin, Jetpack Compose, Clean Architecture + MVVM, Hilt and Coroutines/Flow over a modular feature structure.
- Owned the product end to end: architecture, pixel-perfect Compose UI from design handoff, API integration, testing, **Play Store release (signing, versioning, staged rollout)**, Firebase Crashlytics monitoring and post-release support.
- Integrated REST and GraphQL services with Node.js + MongoDB backends using Retrofit, OkHttp and Apollo GraphQL; built offline-capable data flows with Room, DataStore, Coroutines and Flow.
- Delivered **Walton ePlaza** (Compose, Apollo GraphQL, Paging, Hilt, Room, DataStore) and the **Walcart** marketplace app (single-activity MVVM, Retrofit, Hilt, Room) with **bKash and bank payment gateway** integration.
- Optimised startup, rendering and app lifecycle; monitored stability with Firebase Crashlytics and Analytics.
- Lead and mentor the Android team — code reviews, coding standards and sprint planning in ClickUp — collaborating daily with UI/UX, backend and product teams.

Senior Android Engineer | CTMT Ltd
2020 · *Contract · Remote*

- Led Android development of **EasyEBilling**, a sales and inventory app with automatic billing, customer management, reporting, online payments and SMS.
- Built features with MVVM, Retrofit, Dagger 2, Room and Jetpack; aligned with API teams on data security.

Senior Mobile App Developer | Clementine Data Solutions Ltd
2018 – 2020

- Led development and maintenance of **Shadhin**, a peer-to-peer funding marketplace app (SDGia Accelerator winner) for phones and tablets: Kotlin, MVVM, Retrofit, Dagger-Hilt, Room, Firebase.
- Built **DataDash**, a data-collection app rewarding users for surveys, media uploads and GPS-based tasks using the Google Maps API.
- Resolved production issues and designed SQL structures shared by the app and web interfaces.

Android Engineer | **Annanovas IT Ltd** 2016 – 2018

- Built and maintained multiple apps across retail, payments, parking and enterprise products for phones, tablets and smartwatches — Java/Kotlin, MVVM/MVP, Retrofit and RxJava.
- Introduced Firebase Crashlytics and raised crash-free sessions from **94% to 99%**.
- Built **Shubidha** for Android (Java) and iOS (Swift), and **My Parking** in Flutter; also contributed to Store Mate and the Bengal Meat sales-and-distribution client.

Freelance Android & Backend Developer | **Fiverr** 2019 – 2021

- Delivered 46 orders for international clients with a **5.0/5 average from 37 reviews** — Android features and bug fixes, Firebase (FCM, dynamic links), Rust/Node.js/Python/PHP backend work and Play Store publishing.

Early Career | **Worldtechsoft · Technomagic BD** 2016

- Software Engineer, Worldtechsoft — developed sugar-mill procurement and hospital management systems.
- Game Developer, Technomagic BD — developed a VR game for Akij Group and a cross-platform matchmaking puzzle game (Android, iOS, PC).

SELECTED MOBILE PROJECTS

- **Walton Plaza POS** — Enterprise POS and field-operations app used by Walton Plaza's field workforce for collections, payments, targets and training. Kotlin, Jetpack Compose, Clean Architecture + MVVM, Hilt, Apollo GraphQL, Firebase; live on Google Play.
- **Walcart** — Marketplace app connecting sellers and customers; single-activity MVVM, Navigation, Paging, Retrofit, Hilt, Room and bKash payment integration. Service discontinued December 2022.
- **Walton ePlaza** — Android e-commerce app for electronics and home appliances; Jetpack Compose, Apollo GraphQL, Hilt, DataStore, Room and pagination. Android initiative paused; preview build.
- **My Parking** — Cross-platform parking marketplace app for discovering, booking and renting idle spaces; Flutter (Dart), REST APIs and an AWS-hosted backend. portfolio.
- **Shubidha** — Retail and bulk payments app across mobile banking platforms, delivered for Android (Java, MVC, Dagger 2) and iOS (Swift); REST APIs, AWS. portfolio.
- **Shadhin** — Fintech peer-to-peer funding marketplace for phone and tablet; Kotlin, MVVM, Retrofit, Dagger-Hilt, Room and Firebase. SDGia Accelerator winner.
- **DataDash** — Data-collection app rewarding surveys, photo/video uploads and GPS-based tasks; Kotlin, MVVM, Retrofit, SQLite and Google Maps API; live on Google Play.
- **Bismi Live** — Independent Android product for streaming to YouTube and custom RTMP with simultaneous local MP4 recording; Kotlin, Rust (Axum) + PostgreSQL backend and Cloudflare. live.bismify.com.

ADDITIONAL PROJECTS

- **Store Mate** — SME business management for stock, sales, payments and billing in Bangla and English; Kotlin/Java, REST, SQLite, Firebase and MVVM.
- **EasyEBilling** — Sales, inventory, billing and customer-management app with reports and online payments; MVVM, Retrofit, Dagger 2, Room, Jetpack. preview build.
- **Bengal Meat ERP** — B2B sales and distribution platform with web and Android clients; Laravel, MySQL, AWS, REST APIs. portfolio.

OPEN SOURCE

- **Android Clean Architecture MVVM Jetpack Boilerplate** — Kotlin, Clean Architecture, MVVM, Jetpack (Room, Navigation, LiveData), SOLID and testing. GitHub.
- **Compose Image Sliders** — Jetpack Compose carousel using Horizontal Pager, Graphics Layer and Coil. GitHub.
- **My Wallet** — Single-activity wallet app; Kotlin, MVVM, Hilt, Retrofit and Navigation. GitHub.
- **News Reader** — MVVM news app; Kotlin, Room, Retrofit, Dagger 2 and SQLite. GitHub.

EDUCATION & CERTIFICATIONS

B.Sc. in Computer Science & Engineering · Patuakhali Science & Technology University 2015

Certifications: HackerRank Problem Solving (Intermediate) · Udemy Jetpack Compose Crash Program · Udemy GraphQL & Apollo with Android · MoICT Mobile Application Development Program · EATL App Boot Camp