

# MD FAZLE RABBI

## Senior Android Engineer

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### SUMMARY

Highly skilled and results-oriented Senior Android Engineer with a proven track record in designing, developing, debugging, testing, deploying, and maintaining a diverse portfolio of cutting-edge Mobile Apps in various industries. Proficient in utilizing Kotlin, Java, Jetpack Compose, MVVM, Dagger-Hilt, Retrofit, and well-versed in agile methodologies. A strong collaborator and team player, consistently delivering high-quality solutions that exceed expectations. Passionate about pushing the boundaries of mobile app development and dedicated to staying updated with the latest industry trends.

### CERTIFICATIONS

- HackerRank Certified Intermediate Problem-Solving Specialist - [hackerrank.com/certificates/220ca9ec5c4e](https://hackerrank.com/certificates/220ca9ec5c4e)
- Udemy Certified Jetpack Compose Crash Program Graduate - [ude.my/UC-afb403e8-ec23-4812-8208-26f9b099244a](https://ude.my/UC-afb403e8-ec23-4812-8208-26f9b099244a)
- Udemy Certified GraphQL & Apollo with Android Program Graduate - [tinyurl.com/fcdtbf3v](https://tinyurl.com/fcdtbf3v)
- EATL Certified App Boot Camp Graduate, *Ethics Advance Technology Limited* - [tinyurl.com/4sf7beri](https://tinyurl.com/4sf7beri)
- MolCT Certified Mobile Application Development Program Graduate - MolCT, Bangladesh - [tinyurl.com/2s3w9vz7](https://tinyurl.com/2s3w9vz7)

### TECHNICAL SKILLS

- Android Technologies:** Kotlin, Java, Jetpack Compose, Android SDK, Android Jetpack libraries (e.g., LiveData, ViewModel, Room, Paging, Data Binding)
- Reactive Programming:** Kotlin Coroutines, Flow, RxJava
- UI Frameworks & Design:** Jetpack Compose, Material Design Components, ConstraintLayout, MotionLayout
- Hybrid Mobile App Frameworks:** Kotlin Multiplatform Mobile (KMM), Flutter, Dart, Ionic, Capacitor
- Continuous Integration & Deployment:** CI/CD with popular platforms like GitHub Actions, Jenkins, or Bitbucket Pipelines, Firebase App Distribution, Fastlane
- Architectural Patterns:** MVVM(Model-View-ViewModel), Clean Architecture, Reactive Architecture
- Other Technologies:** Push Notifications (Firebase Cloud Messaging), Google Maps and Location APIs, Image loading libraries (Coil, Glide), Crash reporting and analytics (Firebase Crashlytics, Google Analytics)
- Dependency Injection & DI Frameworks:** Dagger-Hilt, Koin, Kodein
- Network Communication:** Retrofit, OkHttp, Apollo GraphQL, WebSocket
- Database & Storage:** Room, SQLite, Firebase Firestore, Realm
- Build & Dependency Management:** Gradle, Maven, Kotlin DSL,
- Testing Frameworks:** JUnit, Mockito, Espresso, Robolectric, Firebase Test Lab
- Version Control & Collaboration:** Git (GitHub, GitLab, Bitbucket), GitFlow, Agile methodologies (Scrum, Kanban), Issue tracking tools (JIRA, ClickUp, Trello)
- Web Services:** RESTful APIs, GraphQL
- IDEs & Tools:** Android Studio, Visual Studio Code, Postman, Insomnia, IntelliJ IDEA, Git command-line
- Web Technologies:** JavaScript, HTML5, CSS3, Node.js
- Game Technologies:** Unity 3D, C#
- Soft Skills:** Leadership, Team Building, Collaboration

### PROFESSIONAL EXPERIENCES (RECENT)

#### Lead Software Engineer (Mobile App Specialist)

[Walton Group](#)

2021 - Present

- Focused on building intuitive, engaging user experiences for a broad target audience
- Lead the Android development team at Walton ePlaza, overseeing the design & implementation of the mobile app's features & functionalities.
- Collaborate with UI/UX designers to ensure a user-friendly and visually appealing app interface, enhancing the overall user experience.

- Conduct code reviews and provide technical guidance to team members, promoting best practices and maintaining a high standard of code quality.
- Drive the adoption of modern technologies and development methodologies, keeping the app at the forefront of innovation and efficiency.
- Take ownership of the app's performance, stability, and security, continuously optimizing and refining the codebase to deliver a seamless and reliable mobile experience for users.

**Skills:** Kotlin, Java, Android SDK, Jetpack Compose, XML, UI/UX Design, Material Design, Jetpack Navigation, Clean Architecture with MVVM, Retrofit, OkHttp, Room, Firebase, Apollo GraphQL, RESTful Web Services, Dependency Injection (Dagger, Hilt), RxJava, Kotlin Coroutines, Coil, Git, GitHub, Unit Testing (JUnit), Bug Fixing and Troubleshooting, Payment Gateway Integration (bKash, bank APIs), Agile Development Methodologies (Scrum), Mobile Application Development, SOLID Principles, ClickUp (Project Management), SDLC, Android Studio, Firebase Crashlytics, Google Analytics, Push Notifications (Firebase Cloud Messaging), Google Maps and Location APIs.

### Senior Android Engineer

CTMT LTD (Contractual-Remote)

2020 - 2021

- Led the development and maintenance of an Android app for both phones and tablets for a leading and recognized name in the web design industry.
- Created and designed the app workflow and developed the app architecture, ensuring optimal performance and user experience.
- Collaborated closely with API developers to integrate data into the app through RESTful APIs using JSON.
- Thrived in a fast-paced development environment, consistently delivering projects ahead of schedule and meeting 100% of deadlines.
- Developed the EasyEBilling App, encompassing features such as sales and inventory management, automatic billing, customer management, customizable reports, online payments, SMS system integration, expense tracking, and robust data protection measures.

**Skills:** Kotlin, Java, Android SDK, App Architecture Design, XML, Google Material Design, SQLite, Retrofit, OkHttp, RxJava, RESTful APIs - JSON Integration, Agile Development Methodologies, Databases, Algorithms, Software Development, Model-View-ViewModel (MVVM), SMS Integration, Data Security and Protection.

### Senior Mobile App Developer

Clementine Data Solutions Ltd

2018 - 2020

- Led the development and maintenance of the Shadhin Android app for phones and tablets, a leading fintech company in Bangladesh and winner of SDGia Accelerator
- Resolved bugs and production issues while consistently writing clean, well-tested, maintainable, and reusable code.
- Created SQL database structures that seamlessly integrated with Android applications and web interfaces.
- Collaborated with API developers to provide data to the apps through RESTful APIs using JSON.
- Thrived in fast-paced development cycles, consistently delivering projects ahead of schedule.
- Developed DataDash, a data collection app that rewarded users for completing surveys, submitting pictures/videos, and completing GPS-based tasks.

**Skills:** Kotlin, Java, Android, XML, Google Material Design, SQLite, Retrofit, OkHttp, RxJava, REST APIs, Databases, Algorithms, Software Development, Model-View-Presenter (MVP), Agile Methodologies, Firebase, Push Notifications, Gradle, Android Studio, Unit Testing (JUnit), Firebase Analytics, Communication, Leadership, Team Building, Collaboration

### Android Engineer

Annanovas IT Ltd

2016 - 2018

- Devised 13 new applications compatible across smartphone, smartwatch, and tablet devices
- Contributed to the development of new features and maintenance of Android apps for both phones and tablets.
- Actively monitored and resolved bugs in production by implementing Firebase Crashlytics, resulting in an increase in crash-free sessions from 94% to 99% during the specified period.
- Ensured that content consistently met or exceeded business and client requirements.
- Wrote clean, clear, efficient, well-tested, and maintainable code

**Skills:** Android Development, Java, Kotlin, Android SDK, RESTful Web Services, Google Material Design, Model-View-Controller (MVC), Model-View-ViewModel (MVVM), MVP (Model-View-Presenter), Object-Oriented Programming (OOP), Retrofit, Volley, OkHttp, RxJava, REST APIs, Butter Knife, Firebase Crashlytics, Firebase Analytics, Unit Testing (JUnit), Gradle, Android Studio, Pixel Perfect Design, Bug Tracking and Resolution, Content Requirements Management, Agile Methodologies, Pixel Perfect Design

## PROJECTS (RECENT)

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### **Store Mate:** *A mobile-based business management solution for SMEs and MSME*

- Google Play Store link: <https://play.google.com/store/apps/details?id=com.annanovas.storemate>
- Developed a mobile app that provides SMEs and MSMEs with comprehensive business management solutions, including product and stock management, sales and payment, real-time business summary, bill printing, and more in both Bangla and English
- Technology: Built with Kotlin, Java, XML, REST, SQLite, Dependency Injection, Agile and MVVM

### **My Parking:** *A user-friendly mobile app that offers a convenient and affordable solution to parking troubles.*

- Google Play Store link: <https://play.google.com/store/apps/details?id=com.myparking.user>
- Developed an Android App that offers a convenient and affordable solution to parking troubles by allowing users to search, book, and rent out unused parking spaces, with real-time notifications and security checks for a safe parking experience
- Technology: Built this app in Java using MVC, Volley, Dagger 2, SQLite, Butter Knife, Material Design, XML

### **My Parking Owner:** *An app-based solution that helps reduce traffic congestion*

- Google Play Store link: <https://play.google.com/store/apps/details?id=com.myparking.partner>
- Developed an app-based solution that helps reduce traffic congestion by allowing users to search, book, and pay for shared parking spaces, providing a convenient, safe, and cost-effective alternative to street parking
- Technology: Built with Java, XML, Google Material Design, REST, SQLite, Dependency Injection, Agile and Clean Architecture

### **Shubidha:** *A mobile app for payment processing that simplifies and streamlines retail and bulk payments*

- Google Play Store link: <https://play.google.com/store/apps/details?id=com.shubidha.user>
- Developed an Android App that simplifies and streamlines retail and bulk payments through a single or multiple mobile banking platform, offering a complete and easy solution for making payments
- Technology: Built this app in Java using MVC, Volley, Dagger 2, SQLite, Butter Knife, Material Design, XML

### **Shubidha Merchant:** *A mobile app-based payment aggregator*

- Google Play Store link: <https://play.google.com/store/apps/details?id=com.shubidha.merchant>
- Developed a mobile app-based payment aggregator that offers easy, secure, and fast payment processing through a QR code system, with features such as real-time inventory management and support for multiple payment gateways
- Technology: Built with Java, XML, Google Material Design, REST, SQLite, Dependency Injection, MVC and Agile

### **Walton ePlaza:** *One-stop shopping destination <https://waltonplaza.com.bd>*

- [ePlaza](https://fr.itch.io/eplaza) PreviewX download link: <https://fr.itch.io/eplaza>
- Develop an Android Application that can allow online shopping from a great selection of electronics, refrigerators, AC, Mobile phones, etc
- Technology: Built this app in Kotlin using clean architecture with MVVM pattern, Jetpack Compose, Apollo GraphQL, Gradle, Navigation Components, Pager, Timber, Material Design, Compose UI, Compose Foundation, Compose Animation, Apollo Kotlin, Pagination, Coroutines, Coil, Junit, Espresso, Agile Methodologies, Hilt, Data Store & Room

### **Walcart:** *One of the leading online marketplaces in Bangladesh. Discontinued service in mid-December 2022 after a successful year of operation*

- Google Play Store link: <https://play.google.com/store/apps/details?id=com.walcart.marketplace>
- Developed an Android Application that can allow thousands of sellers to connect with millions of customers
- Technology: Built this app in Kotlin using single activity pattern with MVVM architecture, Navigation Components, Pagination, Coroutines, Retrofit, Agile Methodologies, Hilt and Room database

### **DITF-2023:** *A compact, easy-to-use Android app to showcase the latest Walton Mobile Devices during DITF-2023*

- Download link: <https://fr.itch.io/ditf-2023>
- DITF-2023 (Walton) is a compact Android app for showcasing Walton mobile devices during the Dhaka International Trade Fair, with features such as automated device selection, internet connectivity check, force update & crash-free user experience
- Technology: built with Android Studio using Kotlin and XML, following a clean architecture with MVVM pattern

### **EasyEBilling:** *Comprehensive sales & inventory solution for small-medium businesses*

- Google Play Store link: <https://play.google.com/store/apps/details?id=com.easyebilling.android>

- Developed an Android App that can allow sales & inventory management, automatic billing, customer management, customizable reports, online payments, SMS system, expense tracking, and data protection
- Technology: Built this app in Kotlin using MVVM architecture, Retrofit, Dagger 2, Room database, Android Jetpack

**Best Price:** *An online platform that offers car owners a secure & efficient way to purchase car parts at the best price*

- Download link: <https://fr.itch.io/best-price>
- Developed an online platform that offers car owners a secure and efficient way to purchase car parts at the best price, with a user-friendly search tool and 24/7 customer support, and enables car parts dealers to sell parts online through an innovative android-based app.
- Technology: Built with Java, XML, Google Material Design, REST, SQLite, Dependency Injection, Agile and Clean Architecture

**Sales and Distribution:** *An automated B2B sales and distribution solution with a web and Android app*

- Download link: <https://www.annanovas.com/portfolio/bengal-meat-enterprise-solution/>
- Developed an automated B2B sales & distribution solution with a web and Android app that offers features such as order processing, sales projection, complaint management, parcel management, inventory management, & stock management
- Skills: Project Management, Laravel, MySQL, QA, Android, Java, XML, SQLite, Agile Methodologies

**Shadhin:** *One of the leading fintech of Bangladesh. Winner of SDGia Accelerator.*

- Google Play Store link: <https://play.google.com/store/apps/details?id=com.shadhinbd.investee>
- Developed an Android Application that bringing individuals under one marketplace for P2P funding
- Technology: Built this app in Java using MVVM architecture, Volley, Dagger 2, SQLite

**DataDash:** *A free app that pays users for collecting and providing data through surveys, pictures/videos, & GPS-based tasks*

- Google Play Store link: <https://play.google.com/store/apps/details?id=com.clementinedatabd.datadashapp>
- Developed an Android App that lets users earn money by collecting and providing data for companies through participating in surveys, taking pictures and videos, and completing tasks recommended based on their GPS location
- Technology: Built this app in Java using XML, MVVM, Volley, Dagger 2, SQLite, Google Map API

## EDUCATIONS

Bachelor of Science (B.Sc.) in Computer Science & Engineering(CSE), <a href="#">Patuakhali Science &amp; Technology University</a>	2015
Higher Secondary School Certificate (HSC) in Science, <a href="#">Idris Mollah Degree College</a>	2010
Secondary School Certificate (SSC) in Science, <a href="#">Kalaiya High School</a>	2008