

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
- Udemy Certified Jetpack Compose Crash Program Graduate - ude.my/UC-afb403e8-ec23-4812-8208-26f9b099244a
- Udemy Certified GraphQL & Apollo with Android Program Graduate - tinyurl.com/fcdtbf3v
- EATL Certified App Boot Camp Graduate, *Ethics Advance Technology Limited* - tinyurl.com/4sf7berj
- MolCT Certified Mobile Application Development Program Graduate - MolCT, Bangladesh - 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), Compose Multiplatform
- 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

- Led the Android development team, overseeing feature implementation.
- Collaborated with UI/UX designers for a user-friendly app interface.
- Conducted code reviews, provided technical guidance, and promoted best practices.
- Drove adoption of modern technologies and maintained high code quality.
- Ensured app performance, stability, and security for a seamless user experience.

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 - 2020

- Led Android app development for a renowned web design company.
- Expert in Kotlin, Java, and App Architecture Design.
- Collaborated with API developers for seamless data integration.
- Developed EasyEBilling App with comprehensive features.
- Proficient in Google Material Design, SQLite, RxJava, and MVVM.
- Known for on-time project delivery and data security expertise.

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

- Developed 13 new applications for smartphones, smartwatches, and tablets.
- Managed Android app development, including new features and maintenance.
- Implemented Firebase Crashlytics to monitor and resolve bugs, increasing crash-free sessions from 94% to 99%.
- Ensured content consistently met or exceeded business and client requirements.
- Wrote clean, efficient, and well-tested 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)

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, Firebase, Junit, Git, Agile and MVVM

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

- ePlaza PreviewX download link: <https://fritch.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, Firebase, 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://fritch.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, MVVM, Git, Firebase, Data Store, Jetpack, JUnit

Shadhin: One of the leading fin-tech 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 Kotlin using MVVM architecture, Retrofit, Dagger-Hilt, Room, Firebase, Git, Agile, Junit

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 Kotlin using XML, MVVM, Retrofit, Dagger-Hilt, SQLite, Firebase, Google Map API

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 MVVM, 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 MVVM

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

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 Java 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://fritch.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 MVVM

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: Android, Java, XML, SQLite, Agile Methodologies

EDUCATIONS

Bachelor of Science (B.Sc.) in Computer Science & Engineering(CSE), Patuakhali Science & Technology University	2015
Higher Secondary School Certificate (HSC) in Science, Idris Mollah Degree College	2010
Secondary School Certificate (SSC) in Science, Kalaiva High School	2008