

MD FAZLE RABBI

Senior Android Engineer

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SUMMARY

Experienced Senior Android Engineer with **8+** years of experience in designing, developing, debugging, testing, deploying and maintaining **40+** cutting-edge Mobile Apps in various industries with **120K+** daily active users across **19** different countries. Proficient in Kotlin, Java, Jetpack Compose, MVVM, Dagger-Hilt, Retrofit, and Agile methodologies. Strong collaborator with a focus on delivering high-quality solutions.

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
- MindLuster Certified Ionic Mobile Framework Program Graduate - mindluster.com/student/certificate/1417464229
- EATL Certified App Boot Camp Graduate, Ethics Advance Technology Limited - tinyurl.com/4sf7beri
- 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), 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

- Leading the Mobile Development Team in designing and developing the [Walton ePlaza](#) app
- Lead the Android & UI/UX team in the successful design and development of Rebranding features which saw an increased usage of [Walcart](#) Android app by over 40%
- Integrated various features and solve different bugs of the [Walcart](#) Android app to allow the users for better user experience, which resulted in an increased app usage by over 15%
- Migrated the android codebase to suit MVVM architecture which made the code more maintainable and the crash free sessions have increased from 92% to 99.99%
- Developed the backend module of bKash payment gateway for [Walcart](#)
- Developed a compact, easy-to-use Android app to showcase the latest Walton Mobile Devices during [DITF-2023](#) event

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

- Developed and tested over 13 Android apps, including My Parking, My Parking Owner, Shubidha, Shubidha Partner, Best Price, StoreMate, The English Learning Lounge, Kids Reader, Biascope, Ringtone Remix, My Collection, Sales Order, & Tripmate
- 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

Mobile App Development Specialist (Freelance)

Independent Contractor

2015 - 2023

- Provided mobile app development services to clients as a freelance Android developer.
- Collaborated closely with clients to gain a deep understanding of their requirements and translate them into functional and user-friendly Android applications.
- Utilized Java/Kotlin and the Android SDK to develop and maintain high-quality Android applications.
- Implemented a wide range of features, including user authentication, data synchronization, push notifications, and seamless integration of third-party APIs.
- Ensured compatibility and optimized performance across different Android devices and OS versions.

- Conducted thorough testing and debugging to identify and fix software defects and improve overall app stability.
- Actively researched and adopted new technologies, tools, and best practices to enhance the quality and efficiency of app development.
- Communicated effectively with clients to provide regular updates on project progress and address any questions or concerns.
- Consistently delivered projects within agreed-upon timelines and budget constraints, ensuring client satisfaction and successful project outcomes.

Skills: Android app development using Java/Kotlin and Android SDK, UI/UX design and implementation, Third-party API integration, Push notifications and data synchronization, Debugging and troubleshooting, Version control (e.g., Git), Agile development methodologies, Strong problem-solving and analytical skills, Effective communication and client collaboration, Time management and project delivery, Kotlin, Java, Jetpack Compose, XML, Android, Android Studio, Apollo GraphQL, RESTful Web Services, Room, Firebase, Android Design, XML, Google Material Design, Clean Architecture, Model-View-ViewModel (MVVM), MVC, MVP, Mobile Application Development, Retrofit, OkHttp, RxJava, RxKotlin, Kotlin Coroutines, REST APIs, PHP, JavaScript, Agile Methodologies, Jetpack Libraries, Dependency Injection, Dagger, Hilt, Software Testing, Collaboration and Teamwork, Innovative Problem Solving, Client Relationship Management, Git, GitHub, Bitbucket, Trello, Zira, ClickUp, Slack, SDLC, PHP, JavaScript, HTML, CSS, Bootstrap, Server side management, Cron Job, DevOps

Client: [CTMT LTD](#) - Contractual-Remote (2020) - www.ctmt-ltd.com

Project: [EasyEBilling](#) (Android App) - <https://play.google.com/store/apps/details?id=com.easyebilling.android>

Comprehensive sales & inventory solution for small-medium businesses

- Successfully lead the development and maintenance of a high-performance Android app, collaborating with API developers, delivering projects ahead of schedule, and creating a feature-rich [EasyEBilling](#) App with sales, inventory, billing, customer management, reports, online payments, SMS integration, and data protection.

Skills: Android Development · 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

Client: [Fiverr](#) - Freelance Software Engineer Since 2015 - www.fiverr.com/fazlerabbe

- Provided state-of-the-art expertise in Android development, delivering successful software design and development projects for over 8 years.
- Achieved outstanding client satisfaction with 46 completed orders and received 37 out of 37 5-star reviews as a testament to exceptional service.

Skills: Versatile professional skilled in mobile app development, feature enhancement, bug fixing, consultancy, server management, cron job scheduling, app publication, and web application development.

Client: [Microworkers](#) - Digital Coordinator Since 2011 · Freelance - www.microworkers.com

- Experienced Digital Coordinator with 10+ years of remote freelance work, coordinating outreach campaigns, creating unique content, testing applications, promoting SEO, leading teams, and delivering outstanding results.

Skills: Social media management and marketing · Content creation and copywriting · SEO optimization and web traffic analysis · Project management and team leadership · Application testing and review · Translation skills · Client relationship management and communication · Analytical and problem-solving skills · Attention to detail and ability to multitask

Client: [WorldTech](#) - www.worldtechbd.org

Project: Sugar Mill Sales System (Web Application)

Skills: PHP, CodeIgniter, JavaScript, HTML, CSS, Bootstrap

Client: [TechnoMagic](#) - www.technomagicbd.com

Project: Memory Magic (Cross-platform matching game for Android, iOS, Windows, Mac, and Linux Standalone)

Skills: Unity 3D, JavaScript, C#, Blender, Photoshop

Project: Beverage Blast (Motion sensor-based VR game using Microsoft Kinect for a function of [Akii Group](#))

Skills: Unity 3D, JavaScript, C#, Blender, Photoshop, Microsoft Kinect, VR technology

Client: [Go Succeed](#) - <https://play.google.com/store/apps/developer?id=Go+Succeed>

Project: Go View (Android App) - <https://play.google.com/store/apps/details?id=com.goview.android>

User-friendly video watching app designed to boost video views by facilitating mutual viewing and engagement among users.

Skills: Android Studio, Java, Firebase, Firestore, Git, Android SDK, Gradle

Project: View Gate (Android App) - <https://play.google.com/store/apps/details?id=com.viewgate.android>

A user-friendly video watching app designed to enhance video views through reciprocal viewing, providing an easy way to increase video visibility.

Skills: Android Studio, Java, Firebase, Firestore, Git, Android SDK, Gradle

Client: Study End Time - www.studyendtime.org

Project: Study End Time - <https://studyendtime.org>

Study End Time offers courses for Muslims to understand current events in light of Islamic teachings.

Environment: (Mobile App) - Flutter iOS & Android, Dart (Web) - JavaScript JS, HTML, XML, CSS, PHP, SQL, CodeIgniter

Client: Zenlounge - www.zenlounge.in

Project: Bangla News 360 - Bengali News - <https://play.google.com/store/apps/details?id=express.template.banglanews360>

A comprehensive Bengali news app providing the latest updates, breaking news, and video coverage on politics, sports, celebrities, health, technology, and more, catering to the interests of Bengali-speaking audiences.

Environment: (Android) - Android Studio, Java, Git, Postman, Android SDK, AndroidX, Jetpack, Android Architecture Component, ROOM, RxJava, Dependency Injection-Dagger2, Kotlin, RxKotlin, REST API, Retrofit, OkHttp, Gradle, Cloud Messaging API, Push Notification (Web) - API, PHP, JavaScript, jQuery, SiteGround, Postman, PHP Storm, MySQL

Client: ICNCL - <https://play.google.com/store/apps/developer?id=ICNCL>

Project: Tubers - <https://play.google.com/store/apps/details?id=com.app.tubers>

An exclusive TV channel for content creators and YouTubers, providing a wide selection of videos to millions of viewers in Eastern India through Siti Network, offering increased exposure, popularity, views, and subscribers for YouTube channels.

Environment: (Android) - Android Studio, Java, Git, Postman, Android SDK, AndroidX, Jetpack, Android Architecture Component, ROOM, RxJava, Dependency Injection-Dagger2, Kotlin, RxKotlin, REST API, Retrofit, OkHttp, Gradle, Cloud Messaging API, Push Notification, Youtube API

Client: Bryan German - <https://play.google.com/store/apps/developer?id=Bryan+German>

Project: Super AppLock - <https://play.google.com/store/apps/details?id=com.superapplocker.newapp.lock>

A powerful app locker with stylish locks and a vault to protect your apps and privacy on Android devices.

Skills: (Android) - Android Studio, Android SDK, Java, Git, AndroidX, Jetpack, Android Architecture Component, RxJava, Dependency Injection-Dagger2, Kotlin, RxKotlin, Gradle, Push Notification, Biometric Authentication, Security and Privacy

Client: Freeearnings - www.freeearnings.com

Project: Freeearnings - <https://freeearnings.com>

Earning Platform - earn at your free time

Skills: (Android) - Android Studio, Android SDK, Kotlin, Jetpack Compose, Git, GitHub, Room, Hilt, Clean Architecture with MVVM, Single activity pattern, Kotlin Coroutines, Flow, Coil, RESTful Web Services, Firebase, Jetpack Navigation, Agile Methodologies, Junit (Web) - PHP, MySQL, HTML, CSS, JavaScript, Bootstrap

PROJECTS (RECENT)

Walton ePlaza: *One-stop shopping destination*

- 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, Agile Methodologies, Hilt and Room database

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

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 Java, XML, Google Material Design, REST, SQLite, Dependency Injection, Agile and Clean Architecture

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 Clean architecture, MVC, Volley, Dagger 2, SQLite, Butter Knife, Material Design, XML

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 Clean architecture, Volley, Dagger 2, SQLite, Butter Knife, Material Design, XML

DITF-2023 (Walton): 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

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 Clean architecture, Volley, Dagger 2, SQLite, Google Map API, and Room database

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

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, Clean Architecture and Agile

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

EDUCATIONS

Bachelor of Science (B.Sc.) in Computer Science & Engineering (CSE), Patuakhali Science & Technology University (PSTU)	2015
Higher Secondary School Certificate (HSC) in Science, Idris Mallah Degree College (IMDC)	2010
Secondary School Certificate (SSC) in Science, Kalaiya High School (KHS)	2008
Primary School Certificate (PSC), Ali Akbar Ideal Govt. Primary School (AAIGPS)	2003