




# Mahdi Abbasian Mohammadi

## Android Developer

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### SUMMARY

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Over 5 years of IT industry experience with 3+ years of experience as Mobile developer, specializing in Android and cross-platform technologies including Flutter and Kotlin Multiplatform. Demonstrated success in building custom UIs, managing app lifecycle, and deploying apps on both the Android Market and App Store. I've mentored junior developers to improve code quality and productivity, while actively keeping up-to-date with the latest Android technologies.

### PROFESSIONAL EXPERIENCE

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#### **Android Developer, Zavosh Software Group**

Jul 2023 – present

- Dorsa team member as a full-time Android developer in a skilled team of four who successfully launched a vod app, did research and development on the latest Android features and libraries, and generated over 200K downloads. this app has been implemented under the supervision of first and largest mobile operator Company (MCI).
- Redeveloped and improved richato app, cross-platform for Android and IOS, specialized in financial and forex trading signals, generating over 38K downloads.
- Developed a client-side Android feature module that tracks when users watch videos, recording these interactions. This data is sent to the server, enabling monetization from viewed traffic and allowing for personalized video recommendations based on user history.
- Developed and integrated an Android feature to organize and categorize messages and calls via an intermediary app. Worked closely with the CTO to ensure alignment with technical requirements, improving support team efficiency.
- Enhanced testing process by creating mock interfaces and applying JUnit and Mockito, which resulted in a 30% increase in test coverage and halved the manual testing effort, markedly improving code quality and reliability.

#### **Android Developer, Venus Holding**

Sep 2022 – May 2023

- Effectively improved unified push notifications utilizing Matrix protocol, enabling real-time communication with users, even during inactive periods.
- Improved productivity by automating repetitive tasks, including screenshots, beta deployments, and release notes generation with Fastlane by  $\approx 30\%$ .
- Improved app performance and user experience using Profiler and LeakCanary for optimization, which resulted in  $\approx 0.75\%$  reduction in crash reports and 30% improvement in memory usage. optimized MongoDB usage and cache entities. significantly reduced the size of the output apk.
- Applied custom views using canvas, integrating with previous efforts to flatten ui layers, which not only streamlined the application's interface but also further reduced view overdraw by 30%, significantly boosting overall app efficiency and performance.

#### **Android developer, Freelancer**

Sep 2020 – Aug 2022

- As an Android Developer, I optimized app scalability and maintainability by integrating MVVM with RxJava, and enhanced user engagement by 20% through Firebase-driven content personalization.
- Improved app performance and user experience by applying MVI and Kotlin Flow, reducing startup time by 15% and cutting memory usage by 25%.
- Advanced cross-platform development efficiency, halving feature development time and reducing codebase by leveraging Kotlin Multiplatform Mobile (KMM) for consistent experiences across iOS and Android.

#### **Software Developer, Multimedia Virtual University**

Sep 2019 – Aug 2020

- Managed to increase student engagement by 20% and improve course completion rates through the development of interactive educational modules using React.js and React Native.
- Enhanced code consistency across educational modules by utilizing manifest.json files to establish standardized conventions and actions, leading to a significant reduction in integration errors and maintenance efforts, improving overall system reliability.

## SKILLS

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**Technical Skills** — Languages: *Kotlin, Java, Dart* | Android Development: *SDK & NDK, Jetpack Compose, WorkManager, Navigation, ExoPlayer* | Architectures & Design Patterns: *MVVM, MVI, MVP, Clean Architecture, Design Patterns* | Data Handling: *SQLite, Room, MongoDB* | Dependency Injection: *Koin, Hilt, Dagger* | Asynchronous Programming: *Coroutines-Flow, RxJava* | Testing & Quality: *TDD, Unit Testing (JUnit, Mockito)* | App Security: *CWE Category System* | API Integration: *Retrofit, OkHttp* | State Management: *GetX, Bloc* | Version Control: *Git (GitFlow, CI/CD)* | Software Development Principles: *OOP, SOLID* | Agile Methodologies: *Agile, Scrum* | Cloud Platform: *Firebase*

**Interpersonal Skills** — *Collaboration & Teamwork* | *Problem-Solving & Critical Thinking* | *Communication Skills* | *Adaptability & Flexibility* | *Time Management & Organization* | *Attention to Detail* | *Leadership & Mentoring*

## EDUCATION


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**Bachelor's degree in IT Engineering,**  
*Payam noor University*


## PROJECTS

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### **Dorsa, Kids and teenagers vod app.**

- VOD (Video on Demand) app for children, offering free access to cartoons, interactive competitions, and a reward system. Focused on UI design and app performance optimization for a smooth viewing experience. [Link to app: <https://cafebazaar.ir/app/com.psb.dorsaBarzar?l=fa> 

### **Richato, Financial app**

- Financial market app providing global crypto and Forex signals, offering market analysis, training, and live trading support. Focused on simplifying trading with low, medium, and high-risk signals for both short and long-term strategies. [Link to app: <https://myket.ir/app/com.app.richato> 


### **Namagram, A big video platform**

- Platform offering free access to videos across various subjects, without user-upload functionality. Focused on delivering high-quality content with an easy-to-navigate interface for all user needs.


### **Any-Notif-Forwarder**

- An Android app that forwards notification content from selected apps to a server using broadcast receivers and background services.


### **Surprise, Chat app**

- An internal organizational chat app based on the secure Matrix protocol, with end-to-end encrypted video and audio calls. Focused on providing secure and private communication within the organization. [Link to app: <https://play.google.com/store/apps/details?id=im.vector.application&hl=en&gl=US> 


### **Danika, Learning language app**

- An interactive language learning app with sophisticated animations aimed at boosting user engagement and learning retention. Focused on visual appeal and user experience to compete with leading apps like Duolingo. [Link to app: <https://play.google.com/store/apps/details?id=com.hiet.vellso&hl=en&gl=US> 

### **Bazarshahr**

- A marketplace app designed for shopping experiences, enabling users to browse and purchase a wide range of products. Focused on user-friendly interface and efficient transaction processing to compete in the e-commerce market. [Link to app: <https://cafebazaar.ir/app/com.bazarshahr.customer.app> 

### **Bab-al-hossain**

- Religious app centered on delivering high-quality audio, video, and religious content. Focused on user experience and smooth content delivery to create a spiritual and educational platform for religious communities. [Link to app: [https://myket.ir/app/com.parsicom.bab\\_al\\_hossain](https://myket.ir/app/com.parsicom.bab_al_hossain) 

### **MovieKade**

- Platform for accessing and downloading movies and series, providing a rich content library. [Link to app: <https://play.google.com/store/apps/details?id=com.topstream.movie&hl=en&gl=US> 