




Mahdi Hossein Abbasian Mohammadi

Senior Mobile Developer

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SUMMARY

Over 6 years of IT industry experience with 5+ 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

Mobile Developer, Lumatic Software Group

Feb 2025 – present
Dubai, United Arab Emirate

- I successfully integrated AI-based notification tools into a Flutter-based desktop application, allowing users to manage report-based data. This significantly improved data processing performance and user interaction.
- Developed a Network Management System supporting 6 communication topologies with real-time WebSocket control, dynamic role management, and automatic failover handling thousands of concurrent connections.
- Built and published ExoBoostPlayer library on Maven Central with intelligent error recovery, adaptive quality switching, codec fallback, and built-in audio equalizer with visualization.

Mobile Developer, Zavosh Software Group

Jul 2023 – Dec 2024

- 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 500K 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 39K 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.

Mobile 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

Technical Skills — **Languages:** Kotlin, Java, Dart, Swift, JavaScript, TypeScript, C++ | Android Development: SDK & NDK, Jetpack Compose, | WorkManager, Jetpack Navigation, Compose Navigation, ExoPlayer, CameraX | Cross-platform: Flutter, React Native, Expo, Kotlin Multiplatform (KMM) | iOS Development: SwiftUI, UIKit, Combine, Core Data, AVFoundation | Backend Development: Ktor, RESTful APIs, WebSocket | Architectures & Design Patterns: MVVM, MVI, MVP, Clean Architecture, SOLID, Design Patterns | Data Handling: SQLite, Room, MongoDB, Realm, Core Data, Hive | Dependency Injection: Koin, Hilt, Dagger, GetIt, Inversify | Asynchronous Programming: Coroutines-Flow, RxJava, RxSwift, Combine, RxDart, Async/Await | Testing & Quality: TDD, Unit Testing (JUnit, Mockito), XCTest, Flutter Test, Jest | App Security: CWE Category System | API Integration: Retrofit, OkHttp, Alamofire, Dio, Axios | AI Integration: OpenAI API, Machine Learning SDKs | State Management: GetX, Bloc, Provider, Riverpod, Redux | Version Control: Git (GitFlow, CI/CD) | 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


Bachelor's degree in IT Engineering,
Payam noor University

PROJECTS


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=en> 

BinBin, Animation VOD platform

- Animation VOD platform offering free subscription-based access to high-quality animated content for all ages. Focused on optimized performance and user-friendly interface design for smooth playback experience. [Link to app: <https://cafebazaar.ir/app/com.dorsa.sanjab?l=en> 

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> 

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 

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> 