

Mahmoud Elshamy

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SENIOR ANDROID DEVELOPER

Experienced Senior Android Developer with nine years of expertise in designing, developing, and optimizing high-performance Android apps. Proficient in Java and Kotlin, well-versed in modern architectural patterns like MVVM and Clean Architecture. Skilled in leading teams, mentoring, and overseeing projects from start to finish. Strong in code optimization, debugging, and improving user experiences. Committed to staying current with emerging tech and industry best practices. Dedicated to achieving business goals and delivering top-notch results in dynamic, collaborative settings.

KEY COMPETENCIES

- Android Development
 - Java and Kotlin for Android
 - SOLID Principles
 - Android Architectures (MVP, MVVM, MVI, Clean)
 - Jetpack Compose and XML Layouts
 - KMM and Compose Multiplatform
 - Android Architecture Components
 - Third-party libraries (Retrofit, Picasso, Glide, etc.)
 - RxJava2, Dagger2, Hilt, Koin, Coroutines
 - Unit Testing (JUnit, Mockito)
 - Firebase (FCM, Realtime DB, Remote Configs)
 - CI/CD (Jenkins, Github Actions)
 - Git and GitFlow
 - Basic Node.js, React.js, SQL, MongoDB
 - Agile and SCRUM Experience
 - Leadership & Team Work
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PROFESSIONAL EXPERIENCE

SENIOR ANDROID DEVELOPER

MAR 2021 - PRESENT

MOHRE | SHARJAH | UAE

- Leading the development and maintenance of multiple Android apps, serving a user base of one million UAE residents for seamless access to government services.
- Utilizing Java and Kotlin within an architectural framework encompassing MVP, MVVM, and Clean Architecture to ensure scalability, maintainability, and code quality.
- Streamlining development processes and improving code modularity through dependency injection frameworks like Koin, Dagger Hilt, and ViewBinding.
- Implementing Kotlin Coroutines for responsive asynchronous operations, enhancing user experiences.
- Collaborating closely with cross-functional teams to gather requirements, design features, and troubleshoot issues for a smooth user experience.
- Actively engaging in code reviews, mentoring junior developers, and fostering a culture of knowledge sharing and continuous improvement.
- **Technologies used:** Java, Kotlin, MVP, MVVM, Clean Architecture, Koin, Dagger Hilt, ViewBinding, Kotlin Coroutines.
- **Projects:** **MOHRE:** Delivering essential government services through the app , **MOHRE G2G:** Facilitating government-to-government interactions , **MOHRE G2E:** Enhancing the employee experience within the ministry.

SENIOR ANDROID DEVELOPER

MAR 2022 - AUG 2023

SWENSONHE | USA | REMOTE

- Implemented complex views and animations for clients' projects.
- Contributed to KMM projects for other teams.
- Collaborated closely with clients to gather project requirements, provide updates, and ensure project alignment with their goals.
- Delivered high-quality code and solutions on time and within budget, exceeding client expectations.
- Actively participated in code reviews and conducted testing to maintain code quality and optimize performance.
- **Technologies Used:** Kotlin, MVVM, MVI, Jetpack Compose, Compose Multiplatform, KMM, Hilt, ViewBinding, Koin, Kotlin Coroutines.
- **Projects:** Waitlist Multiplatform App, Cozo Android App, Wearling Bluetooth App, Stardust Android App ,VELLA Android App

SENIOR ANDROID DEVELOPER

DEC 2018 - MAR 2021

VODAFONE INTERNATIONAL SERVICES (VOIS) | CAIRO | EGYPT

- Led Android development efforts as a Senior Developer for the "My Vodafone" apps in collaboration with teams based in Germany and Spain, ensuring alignment with project goals and timelines.
 - Played a pivotal role in the development and maintenance of the "Mi Vodafone" app for users in Spain and the "MeinVodafone" app for users in Germany, collectively serving over 10 million users.
 - Implemented the Model-View-Presenter (MVP) architectural pattern, ensuring robust and scalable app structures.
 - Utilized Dagger for dependency injection, enhancing code modularity and maintainability.
 - Conducted rigorous unit testing using Junit and Mockito, guaranteeing the reliability and stability of the apps.
 - Enforced GitFlow workflows for efficient version control and collaboration across international teams.
 - Leveraged RxJava for asynchronous and event-driven programming, enhancing app responsiveness.
 - Utilized Retrofit for seamless API integration, ensuring data accuracy and consistency.
- **Technologies Used:** MVP, Dagger, Unit Testing (Junit & Mockito), GitFlow, RxJava, Retrofit, SOLID Principles.
 - **Projects :** Mi Vodafone Android App (Spain) , MeinVodafone Android App (Germany)

CO FOUNDER AND TECH LEAD

SEP 2016 - OCT 2018

FOORERA | NEW CAIRO | EGYPT

- Spearheaded the development and maintenance of the Foorera mobile app, taking a central role in designing and implementing its features and functionality.
- Actively contributed to both mobile and backend code, ensuring seamless integration and optimal performance.
- Led a team of 3 developers, providing guidance, mentorship, and technical direction to achieve project objectives and meet deadlines.
- Collaborated closely with cross-functional teams, including product managers and designers, to define project requirements and align technical solutions with business goals.

Technologies and Skills Utilized: Kotlin, MVVM, Node.js, MySQL, Git, Basic DevOps.

Project: Foorera Mobile App

ANDROID DEVELOPER

JUL 2015 - NOV 2016

JOBZELLA | CAIRO | EGYPT

- Pioneered the development of the Jobzella Android app, which marked a significant milestone as the Middle East's premier professional networking and job search platform.
 - Utilized Java and the Model-View-Controller (MVC) architectural pattern to create a robust and user-friendly mobile application.
 - Employed Retrofit for efficient API integration, ensuring seamless communication between the app and server.
 - Enforced SOLID Principles, promoting clean and maintainable code practices for long-term scalability.
 - Effectively utilized Git for version control, enabling streamlined collaboration and code management.
 - Operated within an Agile development environment, actively participating in sprint planning, daily stand-ups, and iterative development cycles to meet project goals efficiently.
- **Technologies and Skills:** Java, MVC, Retrofit, SOLID Principles, Git, Agile.
 - **Project:** Jobzella Mobile App.

JUNIOR MOBILE DEVELOPER

JUL 2014 - MAY 2015

TURNDIGITAL |CAIRO | EGYPT

- Implemented the Watani Android app, featuring a dynamic UI built from JSON schemas, allowing for backend-driven changes to the entire app's screens and components.
 - Developed an MVP Android app for Carrefour Maadi, a product listing app with GPS capabilities to estimate active clients in the area and send instant offers.
- **Technologies and Skills:** Java, MVC, Retrofit, Dynamic UI from JSON schemas, Google Analytics, GPS Tracking, Git, Agile.
 - **Projects:**
 - Watani Android App
 - Carrefour MVP Android App

DEVMIX TEAM | VOLUNTEER WORK

JUN 2012 - JUL 2015

DEVMIX CORE MEMBER | MANSOURA | EGYPT

- Coordinator for a leading IT student community in Egypt, dedicated to sharing knowledge and experiences.
- Organized free summer mini courses in 2014, covering Android, PHP, Web Design, Java, and C#.
- Orchestrated DevTalk5, a significant event in the freelance community.

FEATURED PROJECT

- **Cozo** | play.google.com/store/apps/details?id=com.getcozo.app
 - Property management app for homeowners, contractors and realtors in USA.
- **Stardust** | play.google.com/store/apps/details?id=com.stardust.app
 - Period tracker app in USA.
- **VELLA** | <https://play.google.com/store/apps/details?id=com.thevellaapp.app>
 - Personality analyzer app in USA
- **MeinVodafone** | play.google.com/store/apps/details?id=com.appseleration.android.selfcare
 - My Vodafone android app running for Vodafone Germany users.
- **Mi Vodafone** | play.google.com/store/apps/details?id=es.vodafone.mobile.mivodafone
 - My Vodafone android app running for Vodafone Spain users.
- **MOHRE** | play.google.com/store/apps/details?id=ae.gov.mol
 - Main application of Ministry of Labor, UAE offering government services through it.
- **MOHRE G2G** | play.google.com/store/apps/details?id=ae.gov.mol.g2g
 - Ministry of Labor UAE mobile app offering services for other government entities and ministries.
- **BABO** | play.google.com/store/apps/details?id=no.babo.android
 - An implementation of Kotlin, ConstraintLayout, MVVM design pattern using new architecture components by Google (ViewModel, LiveData) and some 3rd party libraries like Retrofit.
- **Foorera** | play.google.com/store/apps/details?id=com.foorera.app
 - Foorera is a carpooling (ride sharing) platform which intelligently connects users commuting through same path.
- **Jobzella** | play.google.com/store/apps/details?id=com.jobzella.jobzellapp
 - The first professional networking and job search app in the middle east.
- **KAFOW** | play.google.com/store/apps/details?id=com.kafow.app
 - A guid to stores, markets, institutions and business companies in UAE.
- **Watani** | play.google.com/store/apps/details?id=net.turndigital.watani
 - A guid to stores, markets, institutions and business companies in UAE.

EDUCATION

- **Bachelor Degree | Computer Sciences** | Faculty of Computers and Information Systems | Mansoura University | Egypt | 2010
- **Grade:** Very Good
- **Graduation Project:** [Offer Land](#)
- **Grade:** Excellent

TRAINING

- Certified Android Student Club Facilitator | [Android Student Club in Mansoura](#) | May 2015 - Sep 2015
Android student club is one of [GSA](#) projects
Finished first free course as the instructor and facilitator of the club.

LANGUAGES

- **Arabic** : Native
- **English** : Very Good