Hasan Zohrevand

Android Developer | Tehran, Iran

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EXPERIENCE

Mahsan — *Android Team Lead*

January 2022 - PRESENT (Tehran, Iran) - IT Services & IT Consulting

- Developing an **XMPP client** Android app named BMP for organizations using **Smack library**
- Developing a comprehensive **enterprise mobility management (EMM)** solution named Moka, that allows IT teams and admins to configure and manage corporate-owned (COBO) and employee-owned (BYOD) devices
- Developing an **app store** as a module to Moka EMM with features like downloading and installing queues
- Developing a **file management** for managing work files as a module to Moka EMM

Achievements:

- Implementing BMP features including **OAuth authentication** (Authorization Code with PKCE) with company's IAM solution, **WebRTC**, **custom XEPs** like Staff IQ, message and presence **with extended elements**, message reply, message forward, searching for messages on server, **OMEMO with backup key**, jumping through pages of messages, etc.
- **Integrating Open-VPN** as a module into Moka EMM using **AIDL services**
- Establishing a reliable connection between Moka EMM and an **EMQX server using MQTT** protocol for push notifications
- Developing an **SDK for dependent applications** to get relevant notifications from Moka EMM using **content providers and broadcast receivers**
- Analyzing the OWASP MASVS and MSTG documents to figure out security issues in Moka EMM and prepare a plan to fix those issues in order to get the corresponding certificate from AFTA
- Configuring **Jacoco** and **SonarQube** and writing **scripts for CI/CD pipeline**

Technologies:

- Kotlin, Java, Coroutines, Flow, Jetpack Compose, XMPP, Smack library, MVVM, Clean Architecture, Architecture Components, Hilt, Koin, OAuth 2, OpenVPN, WebRTC, EMQX, MQTT, OkHttp, Retrofit, Room, Proto Data Store, Paging 3, AIDL Services, Foreground Services, WorkManager, AlarmManager, Location Services, Content Providers, Broadcast Receivers, DevicePolicyManager

SUMMARY

Curious Android Developer with +8 years of experience in the design and development of Android applications.

I love **Android**, **Kotlin**, **Coroutines**, **Jetpack Compose** and **learning** new technologies and try to be **updated** by **reading** documentations, books and articles. I have **good problem-solving skills** and strive to write **clean code**. I like **sharing my knowledge** with others and usually **assisting my colleagues** in finding good solutions.

SKILLS

Android Kotlin Java

Coroutines Flow

Jetpack Compose

MVVM Clean Architecture

XMPP Smack Library

Architecture Components

Services WorkManager

Retrofit Room Hilt

Design Patterns OAuth 2

Unit Test UI Test Scrum

Git CI/CD Gradle Jira

Familiar with

RxJava Firebase KMM

MVI Koin Swift SwiftUI

Spring Framework

Freelance —*Senior Java and Android Developer*

September 2015 – January 2022 (Tehran, Iran)

- Developing parking management **Android and iOS** apps for managing an organization's parking spaces efficiently among its staff, including backend development
- Developing an Android app that provides English learning videos to users with subscriptions, including backend development
- Developing a **video streaming** Android app to stream movies and tv series named Drama, including backend development
- Developing a study planning Android app for students named Pargar with subscriptions, including backend development
- Developing **audio streaming Android and iOS** apps named Gheseland to stream stories for kids with subscriptions and promotions
- Developing a movie database Android app named Anoons with features like video playback, creating custom list of movies and actors, etc., including backend development

Technologies:

- Kotlin, Java, RxJava, Coroutines, Flow, Jetpack Compose, MVVM, MVP, Architecture Components, Hilt, Dagger, Retrofit, OkHttp, ExoPlayer, Swift, UIKit, SwiftUI, Combine, RxSwift, JHipster, Spring Boot, Spring WebFlux, Spring Data, Spring Data Mongo, Liquibase, Vue.js

Sib Content Services — *Senior Java and Android Developer*

April 2014 – September 2015 (Tehran, Iran)

- Developing multiple VAS (value added services) applications for top mobile operators of Iran (Irancell and Hamrah Aval) including an app to stream music with subscriptions, an app for managing users value added services, a book store app to sell books, etc.

Technologies:

- Java, Spring Framework, Android, Volley, Hibernate, Struts 1.2, MySQL, Objective-C

Multiple Companies — *Java Developer*

September 2009 – April 2014 (Tehran, Iran)

- Multiple backend projects for Iran's National Organization for Civil Registration and Iran's Customs Administration (IRICA)

Technologies:

- Java, Spring Framework, Hibernate, JSF 2, Struts 1.2, Oracle, WebLogic, Oracle Linux

GITHUB PROJECTS

[Dialogue](#) – A simple modularized XMPP Android client built entirely with Kotlin and Jetpack Compose. **Contributing** to [Now in Android](#) project, a quick run-down on things that the Android team has done recently that developers may want to check outs.

AWARDS

Anoons won the [Iran's Web and Mobile Festival](#) award in 2016. Also, [Cafe Bazaar](#) (the Most important app store in Iran) selected Anoons as the best app of 2016.

EDUCATION

Polytechnic (Amirkabir)

Tehran - B.S

Computer Science

2002 – unfinished

LANGUAGES

English, Persian