

Ahmad Mahmoud Saleh

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Senior Native Android | Native iOS | Mobile Automation Engineer

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Website

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Education & Languages

Education

Bachelor degree in Electrical Engineering	Higher technological Institute of Engineering @ 10 th of Ramdan city	2008 - 2013
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Languages

1	Arabic	Mother language
2	English	Excellent at reading, writing and talking.

Technical skills

1	Mobile Technologies	Android	<ol style="list-style-type: none">1. Activities, Fragments & Services.2. Remote views and Widgets.3. Android Jetpack components:4. Offline data caching using:<ul style="list-style-type: none">➤ Shared preference.➤ SQL lite database with Room.➤ Realm.➤ Memory caching.➤ File caching (Read/Write from/to internal/external storage).5. App flavors & build variants.6. SMS verification.7. Dependency injection (Koin & Hilt).8. RxJava/RxAndroid.9. Generics and reflection.10. Reflection.11. Huawei Mobile Services (HMS).12. Unit testing with Junit test & Mockito.
		iOS	<ol style="list-style-type: none">1. Offline data caching using:<ul style="list-style-type: none">➤ Using user default➤ Core data.➤ Realm.➤ File caching (Read/Write from/to internal/external storage).2. RxSwift.3. Dependency injection.4. Apple Maps.5. Sign in with Apple.

	6. Swizzling. 7. Core ML (Machine learning). 8. Unit testing.
Common	<ol style="list-style-type: none"> 1. OOP & SOLID principles. 2. Dependency injection. 3. Using & integrating with third party libraries & APIs. 4. Working with REST & SOAP APIs to connect to back-end data providers. 5. Real time in App multi language (localization). 6. Build variants/Schemes (Dev, staging, release, etc...). 7. Google maps & location APIs. 8. In-app <u>chat</u> like what's app. 9. Barcode/QR scanner. 10. Biometric authentication. 11. Analytics. 12. Push notifications using APN (Apple push notifications) for iOS and FCM for Android and unified push notifications for both Android & iOS. 13. Firebase middleware services such as: <ul style="list-style-type: none"> ➤ Real-time database & Fire-store. ➤ Remote Config. ➤ Firebase Cloud notification (Single/Group messaging, topics, etc...). ➤ Remote performance monitoring. ➤ Analytics, reporting and funnels. ➤ Firebase crash reporting (Formerly Crashlytics by Fabric). 14. Integration with Nyris image identification SDK. 15. Facebook and Gmail login (Single sign on, <u>aka</u>: SSO). 16. Automation & CI/CD (Continuous integration and continues delivery) with Gitlap CI & Fastlane. 17. Working with design patterns: <ul style="list-style-type: none"> ➤ <u>Architectural patterns:</u> MVC, MVP, MVVM, MVI & VIPER pattern. ➤ <u>Creational patterns:</u> Singleton, Builder, Factory and pattern. ➤ <u>Structural Patterns:</u> Adapter, Decorator, Facade & Proxy patterns. ➤ <u>Behavioral Patterns:</u> Strategy, Observer & State patterns.
2 Prog. Langs.	Java – Kotlin – Swift.

Functional Skills

1	Gather requirements and translate them into efficient solutions.
2	Conducting code reviews.
3	Mentoring Juniors and mid-level developers and helping other Senior developers to solve complex issues.
4	Conducting technical interviews and evaluating technical tasks submitted by the candidates.
5	Building app level and project level architecture.
6	Deploying apps to Google Play Store, Huawei Store and Apple's App store.
7	Documentation – user manuals/guides.
8	R&D.

7+ Years of work Experience (Ordered by Most recent)

	Job Rules	Place	From - To
1	- Senior Native Mobile Apps Engineer (Android and iOS). - Mobile automation Engineer.	Teavaro Ltd.	2022 - Present
2	- Senior Native Mobile Apps Engineer (Android and iOS). - Mobile automation Engineer.	Robusta studio	2018 – 2022
3	Senior Native Mobile Apps Engineer (Android and iOS).	Swenson He (Part-time)	2021
4	Senior Native Mobile Apps Engineer (Android and iOS).	OLX Egypt/OLX MENA	2020 - 2021
5	Native Android and iOS developer	Mivors Consulting	2015 – 2017

Open source projects

1	iOS Bootstrap	An iOS Library that saves a lot of time and help developers to write clean, organized and testable code (About 53 features and more to come). GitHub Repo: https://github.com/ahmadmssm/iOS_Bootstrap
2	iOS-Project-Template	Instead of spending time configuring an iOS project every time you start developing a new App, just fork and start working on your feature. GitHub Repo: https://github.com/ahmadmssm/iOS-Project-Template
3	AndroidDevKit	An Android Library that saves a lot of work and coding by providing a one library with out of the box features and generic code base. GitHub Repo: https://github.com/ahmadmssm/AndroidBase

Projects portfolio (Ordered by Most recent)

1	FunnelConnect SDK	An Android and iOS Analytics SDK (Library) similar/competitor to Firebase Analytics and Facebook Analytics built using Kotlin multiplatform.
2	Orange Super App (In progress)	Orange telecom super app is intended to serve Oranges 8 million users base with services starting from customizing packages to services like trip ordering and digital wallet.
3	Bremer App	Food ordering app that services Bremer restaurant customers in Mansoura city.
4	5dma.vip - خدمه فى أى بي (Product)	5dma App (5dma.vip) is an application that provides people in villages with their daily needs of goods and services with ease, which helps in safe remote shopping through many stores especially in the COVID-19 pandemic.
5	Vessel - Home Wellness Tracker	Vessel helps its users to access, understand, and optimize your health and wellness from the comfort of home.
6	OLX Arabia	OLX is the #1 B2B marketplace to buy and sell items with 35 million downloads and 260 million monthly active users in more than 45 countries. => iOS (App store)
7	GIZ Siemens	A tablet app considered to be a mini HR system which employees in Siemens factories in Egypt can use to manage their check in/check out, vacation requests, view their profile, read news and many more features.
8	Nawaya App	Islamic App to help Muslims with their daily Islamic rites.

9	Shopping list	Shopping list App help restaurant owners/workers to make public and/or custom lists with the items they buy occasionally and be notified to buy the items in this list. => Android (Google play) => iOS (App store)
10	Pass app	PassApp allows its users to have access to the gates/doors of their home/company or car without any keys or id cards, all in one place using digital passes, by merging security with convenience and enable smart-phone to securely open a door/gate. Notes: It is now used at EL Rehab city & El Gouna annual film Festival. => iOS (App store)
11	My doctor (Private project of a master student)	An application that helps people with heart diseases to wisely choose the food that is not going to affect their health negatively, the user can either search for the food by it name from a list of the famous available food products in KSA or he can scan the bar-code of the product to check if he is allowed to take that food or not.
12	Automotive app (Product)	Mobile interface for car agencies, User can see cars sold by this agency, request test drive for a car, maintenance, view spare parts & many other features.
13	Mivors customer support	Communication channel between the company and its customers (Internal App). => Android (Google play) => iOS (App store)
14	Swift job	Request a maintenance service at home using mobile app. => Android (Google play) => iOS (App store)
15	DP World El-Sokhna Port Analyser	Monitor almost everything happening at the port such as crane movements, overnight shifts, injuries, and many other things right from this mobile app. => Android
16	LTE dimensioning tool (GB)	PC and Android smart-phones dimensioning tool written with JAVA that will Estimate Coverage and capacity requirements with minimum cost, then draw cellular sites for a selected area on Google map.