Ahmad Mahmoud Saleh

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Senior Native Android | Native iOS | Mobile Automation Engineer

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	GitHub	

Education & Languages

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

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

Technical skills

1	Mobile Technologies	Android	1. Activities & fragments. 2. Remote views and Widgets. 3. Android Jetpack components: ➢ Architecture components (View model, live data, Room, Paging, Navigation, etc...). ➢ Foundation (Android KTX, App Compat). 4. Offline data caching using: ➢ 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. Networking with Okhttp, Retrofit & fast android networking. 7. SMS verification. 8. Dependency injection (Koin & Hilt). 9. RxJava/RxAndroid. 10. Generics and reflection. 11. Unit testing with Junit test & Mockito.
		iOS	1. Networking with URL Session, Alamofire, Moya, ... 2. Offline data caching using: ➢ Using user default ➢ Core data. ➢ Realm. ➢ File caching (Read/Write from/to internal/external storage).

			3. RxSwift.
			4. Dependency injection.
			5. Sign in with Apple.
			6. Core ML (Machine learning).
			7. Unit testing.
	Common	1. **Automation & CI/CD (Continuous integration and continues delivery) with Gitlap CI & Fastlane**.	
		2. OOP & SOLID principles.	
		3. Dependency injection.	
		4. Using & integrating with third party libraries & APIs.	
		5. Working with REST & SOAP APIs to connect to back-end data providers.	
		6. Real time in App multi language (localization).	
		7. Build variants/Schemes (Dev, staging, release, etc.…).	
		8. Google maps & location APIs.	
		9. In-app chat like what's app.	
		10. Barcode/QR scanner.	
		11. Push notifications using APN (Apple push notifications) for iOS and FCM for Android and unified push notifications for both Android & iOS.	
		12. Firebase middleware services such as:	
		➢ **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).	
		13. Integration with Nyris image identification SDK.	
		14. Facebook and Gmail login (Single sign on, **aka**: SSO).	
		15. Working with design patterns like:	
		➢ **Structural patterns:** MVC, MVP, MVVM, MVI and VIPER pattern.	
		➢ **Creational patterns:** Singleton, Builder, Factory and Adapter pattern.	
		16. Git (GitHub – Gitlab,..)	
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 on Google Play Store and Apple's App store.
7	Documentation – user manuals/guides.
8	R&D.

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

	Job Rules	Place	From - To
1	- Senior Native Android Engineer. - Senior Native iOS Engineer. - Mobile automation Engineer.	Robusta studio	2018 – Present
2	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	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	OLX Arabia	B2B E-commerce app with more than 4 million users base > Android (Google play) => iOS (App store)
2	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.
3	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. **Note: (Can only be viewed and downloaded in Germany).** => Android (Google play) => iOS (App store)
4	Pass app	Pass app is a digital passes/keys wallet which helps users to open home/company/car gates/door with digital key (Using smart phone) instead of physical keys. **Notes:** It is now used at EL Rehab city & El Gouna annual film Festival. => iOS (App store)
5	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.
6	Mivors customer support	Communication channel between the company and its customers (**Internal App**). => Android (Google play) => iOS (App store)
7	Swift job	Request a maintenance service at home using mobile app. =>Android (Google play) => iOS (App store)
8	DP World El-Sokhna Port Analyser	Monitor almost everything happening at the port such as crane movements, overnight shift, injuries and many other things right from this mobile app. => Android => iOS (App store)