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Summary

Motivated and competent Android developer with solid expertise in producing bug-free apps. Solid grasp of the mobile app lifecycle, as well as experience maintaining, restructuring, and redesigning sophisticated and scalable apps. Dedicated to the constant discovery and implementation of new technologies.

Work Experience

- **Senior Android Software Engineer at Vodafone international services (Feb 2022 – Current)**
 - **Overview:** I am working with the UK team on [My Vodafone app](#) (10m users).
 - **About:** Keep track of your Vodafone account on the go with the My Vodafone app. Track your usage, view, pay bills and upgrade your phone.
 - **Responsibilities:**
 - Working with my team to bring the RedHybrid feature, which involves a new subscription to handle your account, to the UK market.
 - Residing in an environment where the CI/CD procedure is automated.
 - Keeping up with current code and reworking complicated portions to ensure code quality.
 - Reviewing code continuously while helping other engineers to improve it through pair programming.
 - Increasing testing coverage by 20% by including the missing untested components.
 - Documenting some essential components to facilitate knowledge transfer, such as standard error code handling.
 - Working with tagging systems to enhance the user experience inside the app flow.
 - Making use of linting tools like SonarQube to simplify the source code and decrease the code complexity.
 - Assisting in integrating and creating common components that will be utilized throughout the Vodafone Group.
 - Attending knowledge-sharing seminars to learn more and stay updated with technological advancements.
 - Contributing to the improvement of the interview procedure for newcomers.
 - Taking part in team-building exercises.
 - **Stack:** Java – Kotlin – JavaScript – CSS – MVI – Dagger – CI/CD – (Analytics, crashes, tagging, tracking, logging, and diagnostics tools) – Third-party integration – RxJava – Coroutines.
- **Android Software Engineer at RisiGroup (August 2022 – Current)**
 - **Overview:** I worked with my team on [Hawy app](#).
 - **About:** Hawy app is a leading auction provider in Kuwait country.

- **Responsibilities:**
 - I enjoyed designing the system from scratch.
 - Helped to determine every need along with the owner, analyst, and UX designers.
 - Used Jetpack compose rather than conventional XML.
 - Features including category-based auction browsing, auction payment, real-time bid tracking, and winner placement have been implemented.
 - The live video and voice feature was integrated using the Agora SDK.
 - Integrating Jetpack Compose issues were fixed.
 - Before creating screens, I grouped and created every component.
 - Aligned with iOS to guarantee similar behaviors and features.
- **Stack:** Kotlin – Flows – Coroutines – Jetpack compose – Compose destinations – MVVM – Koin – LiveData – ExoPlayer – Compressor – Retrofit – OkHttp – Accompanist libraries.

- **Android Software Engineer at CyShield (Dec 2021 – Feb 2022)**

- **Overview:** I worked with my team on [Watchit app](#) (5m users).
- **About:** WATCH IT is your main video-on-demand service for Arabic content online. With an exclusive collection of various entertainment options of movies and TV shows.
- **Responsibilities:**
 - Created intricate parts of the app from scratch, such as stack-based navigation.
 - Refactored various components to include new behaviors while utilizing the current codes.
 - Implemented and delivered new features.
 - Critical problems that negatively impacted the app's overall performance were fixed.
 - Used native and third-party libraries and SDKs, such as leanback and focus management libraries, to work on TVs.
 - A user-friendlier player function that has been improved and extended.
 - Complicated features were revised to make them simpler and offer additional functionality.
- **Stack:** Java – Kotlin – View | Data Binding – MVVM – Dagger – (Analytics, crashes, security, tracking, logging, and diagnostics tools) – TV material design – Leanback – RxJava.

- **Android Software Engineer at Baianat (Jan 2020 – Dec 2021)**

- **Overview:** Baianat is a software company, so I worked with my team on some apps.
- **Applications:**
 - [MindMore app.](#)

MindMore is a digital platform that connects consultants to end users to provide consulting services for both individuals and institutions.

 - Created a library for the customized chat that included audio and video calling capabilities so that we could use it in future projects.
 - A strategy design pattern was used to implement the states for video calling.
 - Custom library built with a horizontal and dialogue view of the calendar.
 - A bespoke library was built for the video layout to increase its power, allowing users to drag, minimize, maximize, and create floating views with strong control buttons.
 - Integrated Agora SDK for video and voice calls.
 - Identity verification using the integrated Onfido SDK.
 - Payment integration using Hyper Pay SDK.
 - Implemented the MVI with multi modules.

- The app was divided up into modules based on functionality.
- Worked with Flavor to produce client and admin apps with the same codebase.
- Implemented the whole CI/CD pipeline to automate publishing the app to the store.
- Wrote the Fastlane scripts to handle app-building phases.
- The Firebase distribution was integrated, making it simple for testers to test the application.
- GraphQL was integrated with ApolloClient.

[Estshara app](#) (10k users).

Estshara is a platform that provides healthcare consultation online. We aim to make healthcare consultation accessible to everyone in the MENA region.

- Took steps to repair issues and enhance the codebase.
- A new payment SDK was developed after the payment process was refactored in a clear and easy-to-handle manner.
- As a hotfix, the live issues were fixed.
- Integrated Twilio SDK for voice calls.

[Rigow app](#).

Rigow is a social network and booking system for wellness and fitness that brings together enthusiasts and experts.

- Worked to build the system design for the app from scratch.
- Implemented the MVP with MVI architecture to get the benefits of both.
- Developed bespoke views and provided an animation library to aid in the creation of clean, minimal code.
- Delivered new features like chat – subscription – profile – user management in a clean, maintainable, and scalable way.

- **Stack:** Java – Kotlin – Dagger2 – Koin – MVVM – MVP – MVI – GraphQL – Retrofit – Volley – Picasso – Glid – Firebase – Social – Play Services – Room – Junit – Espresso – Mockito – Fastlane.

● **Android Software Engineer at AlraydahSa (Jun 2019 – August 2019)**

- **Overview:** I worked on [Etqan app](#).
- **About:** Etqan is the e-portal of a perfect work establishment. It is a leading provider of home-based cleaning services.
- **Responsibilities:**
 - Built the home feature which allows users to use the map to find the nearest service provider.
 - Built the booking management screen.
 - Maintained and fixed bugs.
- **Stack:** Java – Kotlin – View/Data Binding – MVVM – Dagger – (Analytics, crashes, security, tracking, logging, and diagnostics tools) – TV material design – Leanback – RxJava.

● **Freelancing Android Software Engineer (Jan 2019 – Jan 2020)**

- **Overview:** I worked on some apps.

Applications:

[Retskin app](#).

RetSkint provides descriptions of new devices provided by an e-commerce company.

[SoaqElteb app.](#)

SouqElteb is an online platform servicing the medical market in Egypt offering a convenient way to buy your medical and educational products.

- **Stack:** Java – MVP – AsyncTask – MVC – Volley – Google Maps – Glid.

Internships

- **Intern at Baianat (July – August 2017).**
 - Android – App lifecycle – MVC – XML – Activities – Fragments - RestApis.
- **Intern at ItShare (June – August 2016).**
 - Java – Web Apps – Servlets – Design patterns.

Skills

- Java – Kotlin – Dart.
- Architecture (MVC – MVP – VIPER – MVI).
- LiveData – Databinding.
- Navigation – Jetpack components.
- Jetpack compose – Flutter – Bloc - GetIt.
- Dagger2 – HiltDagger – Koin.
- GraphQL – ApolloClient.
- Retrofit – OkHttp.
- Volley – Picasso – Glid.
- RxJava – Flow – Coroutines.
- Unit testing – Ui testing.
- Background tasks.
- Offline storage (Room).
- Animation – CustomViews.
- App inspection – Profiler – Debugging.
- Tv material design – LeanBack – ExoPlayer.
- Scoped storage – shared storage.
- Payment integration like Payfort – Skrill – HyperPay – WeAccept – Fawry – Stripe.
- Video and Voice SDKs like Agora – Twilio.
- Identity SDKs like Onfido.
- Kotlin lint – Proguard – flavors.
- Firebase – FireStore.
- Analytics – Crashlytics – App distribution.
- Google Maps – places.
- Tagging – reporting tools.
- Fastlane – CI/CD.
- Git – Github – Bitbucket.
- Jira – Trello – Azure.
- Algorithms – DataStructure – OOP – SOLID – Design patterns – CleanCode – LeetCode – HackerRank.

Other Skills

- Ability to understand and translate business requirements.
- Solid understanding of Android SDK.
- Version controls.
- Ability to apply material design.
- Familiar with management tools and UML tools.
- Effective Listening and communicating.
- Planning and effective time management.
- Team working, delegating, and flow up.
- Ability to give estimation and break down tasks.

Education

- Bachelor's degree in Computer Science, Suez Canal University (2015 - 2019).
- My grade was **B+** and the graduation project grade was **A**.

Languages

- Arabic.
- English.