Muhammad Hashim Abdul-Azîm

> I'm a Software Engineer with many hats, metaphorically and literally.
> I develop **Web**, **Android**, and **iOS** Apps.

> `Website` • `LinkedIn` • `GitHub` • `Blog` • msg@mhashim6.me • +201121073003

Experience

Technology Consultant (Remote, Seasonal); Egyptian Armed Forces | MAY 2022 - *Present*

I work as a tech consultant for The Recruitment and Mobilization Presidency.

Software Engineer; Instabug | MAR 2022 - *Present*

I work on the Instabug Android SDK.

Mobile App Engineer; ElCoach | JUL 2020 - MAR 2022

I work on `ElCoach app` for iOS & Android using React Native, Kotlin, and Swift:

- Maintain and develop the native side of the app using Kotlin & Swift
- I Built a unified React Native API for integrating with Apple Health and Google Fit on iOS & Android
- Conduct **R&D** experiments for new features, most important of which is the "Goal Tracking" mega feature
- I worked on integrating our app with Huawei App Gallery SDKs for Huawei phones with GApps support
- Regularly conduct codebase refactoring & architecture design phases with our team

Corporal, Senior Full-Stack Engineer; Recruitment & Mobilization Presidency | MAR 2021 - MAR 2022

I lead a team of 6 engineers in building H.A. Software and services for the Egyptian Military, Recruitment & Mobilization Presidency

> SMS Gateway (React, Kotlin, Ktor, Oracle DB) • E-Fax (Django, SQLite, REST, jQuery, Bootstrap) • VoIP IVR (C#, GrandStream UCM) • (Proxmox VE, pfsense, SquidGuard)

Co-Founder, Mobile App Engineer; Medicibe | FEB 2018 - MAY 2020

I developed trending native Android apps and X-platform React apps for the company.

Freelance Mobile App Developer | JUL 2017 - JUN 2020

`Rafeeq Al-Hajj` (Android/Kotlin) • `Al-Sahihan` (Android/Java) • `Put-Back` (Android/Kotlin)

Lead Software Engineer; `Canesee (Graduation project)` | SEP 2019 - AUG 2020

- I was working with/leading a team of 10 engineers
- I designed the overall system architecture & a modular architecture for the Android app
- I designed a framework to run all computer vision models efficiently & simultaneously on our smart glasses (raspberry pi)
- I designed the parallelism APIs for all system components

Lead Software Enginner, Scrum Master; `Open Quran Learning Platform (FOSS)` | FEB 2020-JUN 2020

- Apply Scrum methodology in a completely remote team of 12 engineers
- Experiment with the team to explore best practices (dev-wise & planning-wise) to achieve our goals in morbid working conditions (COVID-19)
- Design and implement the web interface with `ReactJs`
- Write technical, and business documentation

Open Source Contributions

- `PySceneDetect`

  `Live detection` for changing scenes in videos

Programming Languages *(click-able)*

- `Kotlin` • `Java` • `Swift` • `JavaScript` • `Python` • `C`

- `C++` • `x86_assembly` *(Basic knowledge)*

- `Haskell` *(Just for toying with Pure Functional Programming)*

Education

BSc, Computer and Systems Engineering; Zagazig University | 2015-2020

Human Languages

Arabic *(Native)* • English *(Fluent)* • German *(A1 level)*

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