Muhammad Hashim Abdul-Azîm

> Software Engineer & Writer, with many hats, metaphorically and literally.
> I develop & consult for **Mobile**, and **Web** Apps.

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

Experience

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

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

Software Engineer ||; Instabug | MAR 2022 - MAR 2023

I worked on Instabug's Mobile SDK's Architecture & Infrastructure.

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- R&D
- Kotlin Multi-Platform Mobile Support
- Designed new internal JSON API SPECs
- Designed a new DB layer SPECs
- Created Cloud Functions for CI
- Reduced yearly tooling and automation costs
- Planned and lead Instabug's Android Studio Plugin
- Redesigned and re-wrote the Mobile SDK CI Pipelines
- SWAT Engineer
- Enriched both internal & external Docs
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Mobile App Engineer; ElCoach | JUL 2020 - MAR 2022

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- Maintained and developed the native side of  ElCoach app  (Kotlin & Swift)
- Built a unified React Native API for Apple Health & Google Fit
integration on iOS & Android
- R&D
- Huawei App Gallery SDKs Integration
- Regularly conducted refactoring & architecture design phases
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Corporal, Senior Full-Stack Engineer; Egyptian Armed Forces | MAR 2021 - MAR 2022

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

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SMS Gateway (React, Kotlin, Ktor, Oracle DB) • E-Fax (Django, SQLite, REST,
jQuery, Bootstrap) • VoIP IVR (C#, GrandStream UCM) • (Proxmox VE, pfsense,
SquidGuard)
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Co-Founder, Software 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 worked with/lead 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 machine learning models efficiently & simultaneously on our smart glasses (raspberry pi)

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

> - Apply Scrum methodology in a 100% remote team of 12 engineers while experimenting with the team to explore adhoc practices to achieve our goals in morbid working conditions (COVID-19)
> - Design and implement the Frontend with `ReactJs`

Key Open Source Contributions

> `Pi4J/pi4j-kotlin` • `PySceneDetect`

Education

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

Human Languages

Arabic *(Native)* • English *(Bilingual Proficiency)* • German *(A1 level)*

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