

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

Engineering Manager; Stella Stays | May 2023 - *Present*

Leading & Mentoring an international team of engineers working on building the future of living.

Digitalization Technology Consultant (Hybrid, Seasonal); Egyptian Armed Forces | MAY 2022 - MAY 2023

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

Software Engineer II; Instabug | MAR 2022 - MAR 2023

I worked on [Instabug](#)'s Mobile SDK's Architecture & Infrastructure.

- 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

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

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

Mobile App Engineer; ElCoach | JUL 2020 - MAR 2022

- 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

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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