

# Muhammad Hashim

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

[Website](#) • [LinkedIn](#) • [GitHub](#) • [DEV.to](#) • [<msg@mhashim6.me>](mailto:msg@mhashim6.me) • [+201121073003](tel:+201121073003)

## Experience

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### Mobile App Engineer; ElCoach | JUL 2020 - *Present*

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
- Regularly conduct codebase refactoring & architecture design phases with our team

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

I developed the company's Bonus app for Android, iOS and web with Java, Kotlin & React. As well as internal tools for the company

[Bonus App](#) (PWA/React) • [Bonus App](#) (Android/Kotlin)

### Freelance Mobile App Developer | JUL 2017 - JUN 2020

I wrote trending apps on Google Play for various clients using Kotlin & Java

I also write trending Google Play apps by the name of [mhashim6](#)

[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 Engineer, 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

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

## Courses and Certifications

- Associate Android Developer (Kotlin) – **Google**
- iOS Swift 5 Specialization (4 courses) – **Coursera**
- React/ React Native Nanodegree – **Udacity**
- Software Product Management Specialization (5 courses) – **Coursera**
- XDA Recognized Developer – [xda-developers.com](#)
- CCNA, CCNP, Internet Security Fundamentals – **Information Technology Institute (ITI)**

## Human Languages

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

| [msg@mlhashim6.me](mailto:msg@mlhashim6.me) • +201121073003 • 23 years old • Egypt