

# Atef Hares

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## Experiences:-

**Software Engineer** (DevOps, Android, Acting as Senior), *InfraLayer Ltd*, Cairo, Egypt, (Jun 2017 – Dec 2018)

Working on multiple Android projects, interacting with many different tools, programming languages, open-source projects, SDKs and a lot more in order to build Android Applications with Scalability, Security and Performance as main quality attributes. I am also acting as a Senior Engineer providing other developers with guiding, learning sources, tips and tricks and mainly responsible for getting hard things done.

**Android Developer**, *Raye7 (carpooling startup)*, Cairo, Egypt, (Jul 2016 - Mar 2017)

I was responsible of the whole Raye7 Android App development work, including but not limit to:- Developing/Enhancing Raye7 Android App, Porting another version of the app for CIB users only, Improving App performance, Enhancing designs by following the material design guidelines, Performing maintenance & bug fixes, Managing Raye7 Play Store account and production releases, Integrating Restful-APIs, SDKs, 3rd party libs, Communicating/working (non-coding) with back-end team to design and release a new version of the APIs, Performing security fixes with the help of a security specialist team member And finally I Developed a new version of the App contains enhanced material design UI/UX and a clean code architecture.

**Android Self-Learner**, *Mobile Application Launchpad Program (MAL)*, Egypt, (Nov 2015 – Feb 2016)

This program was designed to target candidates with strong background in programming (at least 2 years) and Java in particular then enroll them in an Intermediate Android Apps Developing course delivered by Google on Udacity and supported by a well-known partners like TIEC, ITI, MIT Enterprise Forum Arab, MCIT, Wuzzuf and some others. During the program every trainee studied the course and worked on the in-course project and then to graduate every trainee made a graduation project which reviewed by Udacity professional Coaches.

## Education:-

**2018**, Bachelor of Science, Mathematics and Computer Science, Faculty of Science, AinShams university, Cairo, Egypt.

**2011**, High-School Certificate - Math Section, Egypt.

## Skills:-

**Android Related:** Android APIs, Android open source project [not experienced], Kotlin, Java, Android Studio, Android Async/Sync threading options, Firebase, Firestore, Google APIs, Gradle, Groovy, C/C++, NDK, JNI, RxJava, RxAndroid, Android Dependency injection options, Broadcasts, Services, Android IPC options, many open-source projects and tools, Json, Android networking options, Android architecture components, Dex loading, Dynamic dex loading, Android app bundles, Android storage options, Android system limitations, Android 8+ background services limitations, Android Work-Manger and similar options, Android Contacts Sqlite Database structure, Content providers, Material Design, Proguard, Micro-Services, Annotations, Java Annotation Processor, apt, kapt, and a lot more.

**Academic studies and self-learning:** Software Engineering, Multi-Threading, MVP, MVVM, MVC, Tasks-Worker architecture, SQL databases, No-SQL Databases, ORMs, Micro-Services, Linux, Shell Scripting, bash, Object-Oriented Programming, Event-Driven Programming, REST-APIs, SQL, Databases, Algorithms & Data Structures, JSON, XML, Git, Micro-Services, Performance, Security, Stability, Scalability, VB.Net, Python, HTML, MATLAB (for Mathematics), PASCAL, Operating Systems, Logic Design, Computability theory, Automata theory, Compiler Design, Programming language Syntax and Semantics, File Structure, Computer Graphics and a lot more of cs studies. I also had studies in Pure Mathematics, Applied Mathematics, Statistics, Physics and Chemistry.

## Projects:-

**As being part Of *Infralayer*:** I worked on multiple projects mainly targeting the Android platform.

**As being part Of *Raye7*:** I was responsible for developing/Enhancing Raye7, Raye7-CIB android apps.

**Study-Organizer:** *graduation project*, fully designed Android app, organizer of Classes/Exams for students.

**Sunshine:** *MAL in-course project*, A fully designed Weather Android application.

**Popular-Movies:** *MAL graduation project*, Android application for recent movies, TV shows and series.

**Infinity-Calculator:** Windows application. Simple/Scientific Calculator, VB.Net.

**X-O Game pro:** a "Tic-Tac-Toe" game, VB.Net, Windows application. You can play with CPU! [no AI]

## Trainings and Internships:-

**Summer - 2015,** "Android Apps development fundamentals" Training at faculty of Science, AinShams university.

**Summer - 2015,** Business Developer, *Eco Co-working Space* Internship: learned about Market research, Communication skills, SWOT analysis for effective decisions, marketing plan, presentation skills and public relations.

**Summer - 2014,** *Capmas* student training program: Including: Cisco IT Essentials 5.0

**Summer - 2013,** *InnovEgypt Program*, TIEC with Intel Ideation workshops: It is a training program in the area of innovation and entrepreneurship directed to university students in ICT specializations who are aspiring to be future innovators and entrepreneurs, either through establishing their own innovative start-ups or through manifesting skills that are highly required by local and multinational companies.

## Volunteering and Extra-Curricular activities:-

**2016 – now:** Mentor, I am volunteering to help some of my friends to learn Android. I am also helping them in some projects they are working on. Providing them with advices, best practice tips and tricks and useful resources.

**2011 – 2015,** Helper, I volunteered to more-explain many topics from My Faculty's Courses to many of my colleagues who have misunderstandings or problems in understanding these topics.

**2012 – 2013,** Microsoft Student Partner Representative, Microsoft tech club-ASU, MSP Program, Microsoft Egypt. Collaborated in organizing Events.

**2011 – 2012,** One of the founders & deputy leader of the family "Scientists of AinShams University" (It's a Student Activity).

## Personal information:-

**Full name:** Atef Mohammed Atef Mahmoud Hares.

**Gender:** Male.

**Age:** 25.

**Nationality:** Egyptian.

**Location:** Cairo, Egypt.

**Resume:** [https://atefhares.github.io/files/atefhares\\_resume.pdf](https://atefhares.github.io/files/atefhares_resume.pdf)