

Mouafak Mkhallalati

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## ***Professional Experience***

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### **AUDELA**

**Montreal, Canada**

*Software Development Intern*

*Jan 2020 – May 2020*

Contributed to the libraries and microservices written in functional programming principles, created a learning path for functional programming in Scala, refactored some backend APIs to generate OpenAPI specifications from the code.

### **TOTERS APP**

**Beirut, Lebanon**

*Backend Software Engineer*

*Dec 2017 – Feb 2018*

Built and maintained backend APIs for the mobile application and admin dashboard, helped improving the seeding scripts for the staging environment with geo-location support, wrote and published a middleware to solve a caching issue.

### **iTECH Business Solutions**

**Damascus, Syria**

*Software Engineer*

*May 2014 – Oct 2017*

Maintained and developed SharePoint modules, create a logging API for the development modules on top of open source logging library, introduced MVVM to replace web forms, translated designs to responsive bootstrap templates, maintained the ORM generation libraries for the whole projects.

## ***Education***

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### **M.Sc. Degree in Software Engineering**

**Sep 2018 - Jan 2020**

*Concordia University*

*Montreal, Canada*

Thesis on the analysis of recent security fixes in open source Java projects, co-authored two research papers, wrote an application to communicate with IoT devices over BLE, lab tutor for software design patterns in Java.

### **B.Sc. Degree in Information Technology Engineering**

**Sep 2008 - Dec 2013**

*Damascus University*

*Damascus, Syria*

Created a physical simulation for helicopters to model internal and external forces affecting them during take-off and landing, created code-craft: a game-based approach to teach introductory programming backed with an intelligent tutoring system for learning progress.

## ***Technical Skills***

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Object oriented programming. Functional programming. Relational Database. Non-Relational Database: MongoDB. Design Patterns. Architectural Patterns: MVC, RESTful APIs. Version control: Git. Software testing, Test-Driven Development.

Familiar with containers and container management: Docker, Kubernetes.

Programming Languages: Scala, Java, C#, PHP, Python, Bash, SQL, JavaScript.