

Mahdi Moeini

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SUMMARY

An Energetic, hardworking Master Computer Engineering student interested in solving mathematical and algorithm challenges. Having two years of work experience in programming and a Bachelor's in Electrical Engineering, I intend to expand my theoretical and practical knowledge in a professional environment.

WORK EXPERIENCE

Web Backend Developer | Toranj Innovative Company | *Tehran, Iran* *May 2021–Feb 2022*

- Collaborated backend team in developing and debugging **event-driven microservices** in **JAVA** language, which resulted in launching the Medx project as a web platform for health insurance companies to process their financial tasks.
- Coded **Acceptance Tests REST APIs** and connected them to the **FitNesse** framework
- Shared information on **Scrum** sessions to evaluate and improve the projects
- Developed a small online shop named Sheipoor as a testing task in **monolithic** and **Microservice** architecture in **MVC** with **Spring boot**, **Spring security**, and **JPA**

Embedded Systems Developer | Hoom Company | *Tehran, Iran* *June 2020–Nov 2020*

- Team-worked on IoT protocols such as **MQTT** and **BLE** and implemented them on **ARM** microcontrollers in **C** and **C++** languages, which led to the development of a smart door locker controlled by Bluetooth through an online software
- Designed and coded IoT Gateway, taking client commands with BLE and sending them to the server with MQTT to manage multiple connections to the smart devices
- Researched and gathered information on new IoT technologies for designing new IoT devices

Teaching Assistant of Electronics I | **Instructor: Dr. Adib Abrishamifar** *Feb 2021–July 2021*

Iran University of Science and Technology

- Taught **PSPICE**
- Designed and marked the course projects
- Provided instructing materials for the course

EDUCATION

Master of Computer Engineering *Sept 2022–Sept 2024 (Expected)*

Memorial University of Newfoundland (GPA: 9.05/10)

Bachelor of Electrical Engineering *Sept 2017–Feb 2022*

Iran University of Science and Technology (GPA: 8.09/10)

SKILLS

- Programming languages: Proficient in **JAVA**, **C**, **C++**, and Sufficient knowledge of **Python** and **JS**
- Technologies: Good knowledge of **Spring**, **JPA**, **Hibernates**, **JSP**, **Maven**, and **MySQL**
- Terminologies: Proficient in **OOP**, familiar with **Agile** and **CI/CD** principles
- Architecture and Design patterns: Capable of Coding in **MVC** and **Monolithic Architecture**, familiar with **Microservices**, **Clean Architecture**, and **Event-Driven Architecture**
- Soft Skills: Teamwork ability, solid skills of concentration and observation, Strong presentation ability, Proficiency in **English**, and actively learning **French**