

# Omar Abotahoon

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Portfolio: <https://omar-abotahoon.vercel.app/> | LinkedIn: <https://www.linkedin.com/in/omar-abotahoon> | GitHub: <https://github.com/Omar-abt>

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## WORK EXPERIENCE

### Software Developer COOP

Field Effect Software – Cyber Range Development

Ottawa, ON

Sep 2023 – PRESENT

- Designed **4 different** swift and efficient **REST API endpoints** for a set of **reports for courses, exercises and student transcripts**.
- Used **Spring** and **Java** to construct **DTOs (Data Transfer Objects)**, **DAOs (Data Access Objects)** and **backend services** that queried data from a **MySQL database** and performed computations on it to create the **endpoints**.
- Optimized an endpoint by reducing its response time from **35 seconds to 4 seconds**.

### Project Manager

Centre for Entrepreneurship and Engineering Design (CEED) – Project Management Office

Ottawa, ON

Sep 2022 – Apr 2023

- Oversaw and managed a **virtual reality padel ball tracking project** throughout its entire lifecycle.
- Facilitated **requirements gathering, risk management and assessment**, developing **design criteria**, producing **prototypes**, and **evaluating project performance**.
- Created an **inclusive** and welcoming **collaboration environment** and **coordinated tasks** with the project clients.

### Cloud Infrastructure Engineer COOP

Canada's Centre of Excellence in Next Generation Networks (CENGN) – Cloud Infrastructure

Ottawa, ON

Jan 2022 - Aug 2022

- Engineered a proficient script used to automatically deploy **Hybrid Cloud** environments using **Python, YAML, Ansible** and **REST APIs**.
- Developed software solutions in a **DevOps** culture using **Scrum Agile** methodology including **sprints**, **daily standups**, and **sprint retrospectives**.
- Deployed containerized microservice applications using **Docker, Kubernetes** and **Cloud technologies** including **OpenStack, Azure and AWS**.
- Leveraged the **Atlassian tool set (JIRA, Confluence, BitBucket)** for managing the work progress and collaborating on projects with co-workers.

### System Administrator COOP

Agriculture and Agri-Food Canada (AAFC) – High Performance Computing

Ottawa, ON

May 2021 - Aug 2021

- Created a sophisticated **storage management system** using bash scripting.
- Wrote various **automation scripts** and created complex **pipelines** using Bash shell scripting in a Linux environment.
- Implemented the **Software Development Life Cycle** while developing the storage management system.

## SKILLS

- Programming Languages** – (Python, JavaScript, TypeScript, Java, C, SQL, HTML, CSS)
- Frameworks and Tools** – (React, Spring, Git, Linux, Bootstrap, Tailwind CSS, REST APIs, Figma, npm, Maven)
- Cloud Computing & DevOps** – (Azure, AWS, Kubernetes, Docker, Ansible, OpenShift, OpenStack)
- Project Management** – (Agile/Scrum, Wrike, JIRA, Confluence, Prototyping, Risk Management)
- Data Analytics and ML** – (NumPy, Pandas, MatLab, Tableau, TensorFlow)
- Microsoft 365/Office** – (Excel, Word, Powerpoint, OneDrive)

## EDUCATION

Bachelor of Software Engineering - (4<sup>th</sup> year, GPA: 3.75)

Sep 2020 - Dec 2024

University of Ottawa

## CERTIFICATIONS

- Azure Fundamentals (AZ-900) – Microsoft Certificate
- CENGN Cloud System Specialist

## PROJECTS

Personal Portfolio Website - <https://omar-abotahoon.vercel.app/>

- Technologies used: React, JavaScript, Tailwind CSS

Tenzies Game - <https://tenzies-omar-abt.vercel.app/>

- Technologies used: React, JavaScript, HTML, CSS

Meteor FC - <https://meteor-fc.vercel.app/>

- Technologies used: React, React Router, JavaScript, HTML, CSS, Bootstrap

Tempo Rentals - <https://omar-abt.github.io/tempo>

- Technologies used: HTML, CSS, Bootstrap