Akram El-Gaouny

Second Year Software Engineering Student

Phone: (647)-949-0137

Website: https://akram-el-gaouny.github.io/

Email: jaouniakram@gmail.com

GitHub: https://github.com/Akram-El-Gaouny

Address: 722 Bunchberry Way, Ottawa, Ontario.

Education:

Bachelor of Applied Science in Software Engineering – Management Option

September 2019 – Current

University of Ottawa – Ottawa, Ontario

- Second Year Standing – **CGPA: 9.53/10.**
- Dean's Honor List: Fall 2019, Winter 2020, Fall 2020.

Qualifications:

Programming Languages:

- Developed practical knowledge with **Python, Java, JavaScript/Typescript, HTML, CSS, and SQL.**

Web App Frameworks:

- Experienced working with **React, Express.js, bootstarp4, and Node.js.**

Databases:

- Experience using **Firebase, MongoDB,** and **MySQL**.

Cloud Computing:

- Practical working knowledge with **AWS** and **Azure.**
- Experienced in building **Infrastructure as Code** applications using **AWS CDK** and **Terraform**.
- Confidence with creating **automation scripts** on Azure and AWS.

Class Design and Object-Oriented Programming:

- Experienced in developing **UML** charts and **object-oriented** programs.
- Developed practical knowledge of design patterns to improve the quality of programs.

Work Experience:

Junior Cloud DevOps Engineer:

January 2021 – Current

Shared Services Canada – Ottawa, Ontario

- Developing **Infrastructure as Code** applications with **AWS CDK** and **Terraform** on **AWS.**
- Created scripts to automate security compliance auditing on **Microsoft Azure** to significantly speed up and simplify auditing.
- Developed strong understanding and experience with essential **AWS and Azure Services.**
- Assisted Cloud Architects and Engineers with client requests by doing research and **collecting requirements and documentation.**

Junior Developer and IT Analyst:

May 2020 – January 2021

Shared Services Canada – Ottawa, Ontario

- Created a **website** to host various cloud computing playbooks.
- Worked on an interactive on-boarding handbook for students to familiarize themselves with cloud computing and Infrastructure as Code concepts and tools.
- Delivered several playbooks (documentation) to explain different cloud computing concepts.

Personal Projects:

- Created a **full stack web application** with **React** front-end and **Node JS** back-end that allows users to create budgets and track spending. The application utilizes both **MongoDB** and **MySQL** databases.
- Developed a **Node JS REST** service that provides information of a given stock symbol.
- Created an **Artificial Intelligence** Tic-Tac-Toe game using **Python 3** and **Object-Oriented programming concepts.**
- Implemented the **Depth-first-search algorithm (DFS)** for a maze solver application using **Java.**
- Worked on many desktop games using **Java's Swing GUI** including obstacle avoidance games and a basic flying frisbee shooting game.
- Created an **android application** that allows users to fill out forms required to obtain an ID document such as a health card.