

# Omar ElGaml

## Software Developer

(905) 466- 4318 | [omar.elgaml@mohawkcollege.ca](mailto:omar.elgaml@mohawkcollege.ca) |  
Oakville, Ontario, Canada

## Summary

---

AWS Certified Cloud Practitioner with expertise in cloud services such as EC2, Lambda, RDS, and more. Proficient in Python, JavaScript, NodeJS, React Native, and Java, with hands-on experience in backend development, cloud architecture, and automation. Experienced in building scalable applications using AWS Lambda, API Gateway, and RDS. Strong background in database management with MySQL and SQLite. Currently working as a Programmer/DevOps Engineer, contributing to projects such as a Discord bot, mobile app development, and shipping optimization solutions.

## Education and Certifications

---

**Certified AWS Cloud Practitioner**  
**Software Development Advanced Diploma, Mohawk College**

Completed April 2022  
Hamilton, ON, In progress

## Technical Proficiencies

---

**Languages:** Python, JavaScript, NodeJS, React Native, Java, C#

**Hands on experience with:**

- EC2, EBS, EFS, VPC, RDS, S3, Lambda, Route53, IAM, CloudFront, CloudWatch, SNS, API Gateway

**Source Code Management:** GitHub

**Operating Systems:** Windows, Linux

**Relational Databases:** MySQL, SQLITE

## Work Experience

---

IdeationMax, Oakville, ON Jan 2022 - Present

**Programmer / DevOps Engineer - Part Time**

- 

## Projects

---

### Discord Bot (Car Expert)

- Developed a Discord bot using Python, spaCy, and the OpenAI API to answer car-related questions. Utilized NLP for intent detection and prompt engineering to generate accurate responses. Integrated the bot with Discord for real-time user interaction.

# **Omar ElGaml (Continued)**

## **Survey tool Mobile App**

- Developed a mobile app using React Native frontend and Python backend using AWS Lambda, API Gateway, and RDS to manage a collection of items through a RESTful API.

## **RSS Feed Integration and Database Management**

- Developed the backend of a utility that collects and saves RSS Feeds and helps analyze content. Technologies used: MySQL, C#

## **Shipping Optimizer Website**

- Developed backend for a Shipping Optimizer App that collects shipping prices from multiple providers to find the best deals. Technologies used: Python3 on Lambda, API Gateway, S3, Route53

## **Python Stock Analysis**

- Automated the retrieval of public company financial statements and ratios into an Excel document with the click of a button using Python, Excel (Macros), and a public financial data API.