Omar ElGaml
Software Developer

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Summary

AWS Certified Cloud Practitioner with hands-on experience in cloud architecture, backend development, and automation. Proficient in Python, JavaScript, Node.js, and Java, with a strong foundation in building scalable applications using AWS services including EC2, Lambda, API Gateway, and RDS. Skilled in database management with MySQL and SQLite. Currently contributing to personal and academic projects such as a Discord bot, mobile app development, and shipping optimization tools, demonstrating a strong interest in DevOps and back-end development.

Education and Certifications

Certified AWS Cloud Practitioner   April 2022
Software Development Advanced Diploma, Mohawk College   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

Databases: MySQL, SQLITE, MongoDB

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.

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 optimal service for the client's needs. 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.