Ibrahim Mohamed

Canada

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📚 Education

Memorial University of Newfoundland — St. John's, NL

BSc In Computer Science & Business Administration Minor 3.8 GPA — 2020–2024

Coursework: Data Structures/Algorithms, Web Programming, Object-Oriented Programming

Anticipated Graduation Year: 2024

💼 Technical Projects

AWS Certified Solutions Architect

AWS — Feb 2022–April 2022

- Learned to design a solution by using appropriate AWS services and by following architectural principles based on requirements
- Gained the ability to provide implementation guidance based on best practices to the organization throughout the workload life cycle
- Learned to design and implement resilient, high performing, secure and cost optimized architectures on AWS

Personal Portfolio Website

AWS S3, Route53, CloudFront, HTML, JavaScript, CSS — Feb 2022–Mar 2022

- Developed a personal portfolio website using HTML, CSS Bootstrap framework, and several JavaScript libraries
- Calculated user trends and patterns by gathering data using Google Analytics tracking tags
- Optimized the website by leveraging CloudFront to communicate with AWS S3 and deploy the website on 225+ points of presence guaranteeing ultra-low latency and high availability
- Utilized Route53 DNS service to map CloudFront to a custom domain to deliver the website to end users

To Do List

Python (Flask), SQLite, CSS, JavaScript, HTML — Jan 2022–Feb 2022

- Developed a web-app using the Flask framework in Python that allows users to create their own to-do-lists
- Allowed users to add, update and delete items from their To-Do-List by following the CRUD principles
- Used SQLAlchemy to facilitate the connection between the web-app and the SQLite database
- Hosted the web-app using Elastic Beanstalk on AWS, and used a custom domain to deliver the app to end users

Password Generator

Python (Flask), HTML, CSS — Oct 2021–Nov 2021

- Developed a web-app using the Flask framework in Python, that allows users to generate custom passwords
- Used CSS and HTML to create the structure and design of the app, and to add support for mobile devices
- Allowed users to have several different customization options by using the random module in Python
- Hosted the web-app using Elastic Beanstalk on AWS, and used a custom domain to deliver the app to end users

✋ Skills

- 👍 **Programming**: Python (Django,Flask), HTML, JavaScript (React), CSS (Bootstrap), Java.
- 👍 **Databases/Cloud:** SQLite, AWS, PostgreSQL, DynamoDB
- 👍 **Version Control**: Github

🏆 Certificates

University of Michigan - Python Data Structures	Aug 2021
University of Michigan - Using Python to Access Web Data	Aug 2021
Johns Hopkins University - HTML, CSS, and Javascript for Web Developers	Feb 2022
Amazon - AWS Certified Solutions Architect	Mar 2022