Mohammed Arab

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Education

Algonquin College | Ottawa, Ontario
Diploma of Computer Programming | 05/2023

- Dean's honor list for all academic semesters - 3.97 / 4.0 GPA
- Relevant coursework: Advanced JAVA Programming | Web Programming (LAMP / MERN) | Mobile Application Development | Software Design and Testing

University of Ottawa | Ottawa, Ontario
Bachelors of Health Sciences | 04/2021

- Graduated summa cum laude—9.31 / 10.0 GPA

Experience

Government of Canada - Canadian Heritage | Ottawa, Ontario
Web Application JAVA Developer | 05/2022 - Present

- Developed and Maintained JAVA based web applications open to the Canadian public using JSF + Spring Boot and MSSQL server for database layer.
- Implemented new functionality using multithreading to securely automate the disposal of user data as per information management requirements, saving company time.
- Worked on improving accessibility by upholding WCAG2.1 AA standards using Web Experience Toolkit (WET) to enable more individuals to use our services.
- Created well tested and well documented applications through the use of JUnit testing framework and writing technical requirements/implementation reports, flow diagrams, and testing documentation.

Lykka Village | Ottawa, Ontario
Capstone Project - Full Stack MERN developer | 01/2023 - Present

- Helped develop a minimum viable product for Lykka Village to help them deploy their business product as soon as possible.
- Used React for implementing filter (search, date, category) functionality in the application.
- Used Node.Js and Express.Js to implement backend, equipped with login and authorization functionality.

Projects

[ThaqalaynAPI] REST Web Service - React, Node.Js, Express.Js, MongoDB

- Created a RESTful API which offered the information found on Thaqalayn.net in JSON format for other programmers.
- Used Node.Js + Express.Js to create the server, mongoDB to store the data and AWS Lambda to deploy it.
- Created a simple [React front-end] (deployed on Firebase) to showcase one of the endpoints.
- Received 645,000 requests in February 2023.

[Pesticide Work Calculator] - React Native

- Created a simple cross-platform mobile application using React Native with the intention to provide basic calculations specifically designed for individuals working with pesticides (ex. Exterminators)
- Provides a simple UI for workers who are not mathematically inclined to perform all calculations themselves but want precise work nevertheless.

Covid-19 Tracker - JAVA with Android Studio

- Worked with two other individuals to create an Android application using JAVA that allows users to track Covid-19 cases based on country and particular date.
- Built using OOP techniques and I18N for both English and French users.
- Learned best practices for version control systems, including commit and branching strategies.

Skills

JAVA, Javascript, Python, SQL, HTML, CSS, React, Node.js, Express.js, Spring / Spring Boot, C#, ASP.NET, JUnit, MySQL, MongoDB, Git/SVN, Maven, Jenkins, Microsoft Azure, LAMP stack