ISAAC M'HAMED

Jr Full Stack Developer

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PROFESSIONAL SUMMARY

- Results-driven Jr Full Stack Developer with a comprehensive Computer Science/Software Development diploma from the Southern Alberta Institute of Technology.
- Proven expertise in orchestrating the design and development of comprehensive applications, leveraging cutting-edge technologies such as React, Node.js, Express.js, and MongoDB.
- Adept at applying Agile methodologies for efficient project development and ensuring high-quality deliverables through meticulous code reviews.
- Demonstrates proficiency in database programming and testing, contributing to project success by constructing detailed data models and developing robust solutions aligned with precise requirements.

TECHNICAL PROFICIENCIES

- Programming Languages: **Java, JavaScript, SQL.**
- Front End Web Development: **HTML, CSS, Bootstrap, Tailwind.**
- Full Stack Web Development: **Node.JS, Express, React.JS, RESTful APIs.**
- Databases: **MySQL, Oracle, MongoDB.**
- Agile and Waterfall Development Methodology
- OS: **Windows, Linux, and UNIX based Systems**.
- Experience in version control using **Git.**
- Experience in **AWS EC2** instances
- **U/I design** Experience in **Adobe**
- Microsoft Office 365: **Word, Excel, PowerPoint, Outlook, OneDrive**.

RELEVANT EXPERIENCE

Full-Stack Developer / Project Manager   Jan 2023 – Dec 2023

Sewer and Drain Plumbing/SAIT (Capstone Project) | *Calgary, AB*

- Orchestrated the architecture, design, and development of a comprehensive full-stack application for optimizing organization and employee scheduling.
- Employed cutting-edge technologies such as React, Node.js, Express.js, MongoDB, and AWS.
- Applied Agile methodologies for efficient project development, overseeing and reviewing team members' work.
- Crafted REST APIs and conducted rigorous code reviews to ensure high-quality deliverables.
- Produced meticulous technical documentation tailored to client requirements.

Advanced Object-Oriented Programming (Java)   Jan 2023 – Apr 2023

Southern Alberta Institute of Technology| *Calgary AB*

- Conducted in-depth Complexity analysis on diverse searching and sorting algorithms.
- Formulated and implemented linear and hierarchical Abstract Data Types.
- Designed and executed 100+ robust test cases using JUnit Testing.
- Executed the development of a sophisticated sorting application utilizing Comparable and Comparator interfaces.
- Designed and developed an XML parser using custom stack and queue ADTs.

Software Security   **Sep 2023 – Dec 2023**
Southern Alberta Institute of Technology | *Calgary, AB*
- Conducted an in-depth examination of security threats, including CSRF, XSS, SQL Injection, and various Java and C attacks, ensuring a comprehensive understanding of potential vulnerabilities.
- Identified and mitigated vulnerabilities within more than 10 web applications.
- Implemented corrective measures to fortify code against potential security threats.
- Led the strategic refactoring of a Java application to enhance security measures.

Database Programming and Testing   **Sep 2022 – Dec 2022**
Southern Alberta Institute of Technology | *Calgary, AB*
- Proficiently developed stored procedures, functions, and triggers within an SQL database.
- Conducted Comprehensive testing initiatives by meticulously identifying, developing, and executing in depth test plans.
- Contributed to the project's success by constructing detailed physical and logical data models, providing a robust foundation for efficient data management and retrieval.
- Constructed a prototype database aligned with the precise requirements delineated by the data models

EDUCATION/CERTIFICATION
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Computer Science / Software Development Diploma   **Sep 2021 – Dec 2023**
Southern Alberta Institute of Technology | *Calgary, AB*

Java Script Algorithms and Data Structures   **Aug 2023**
FreeCodeCamp | freecodecamp.org certification Isaac Mhamed

Responsive Web Design   **Aug 2023**
FreeCodeCamp | freecodecamp.org certification Isaac Mhamed