Mohammad Qudah

+1 (647) 982-3029 | qudahmohammad2002@gmail.com | linkedin.com/in/QudahM | github.com/QudahM

http://qudahm.github.io/My-Developer-Portfolio

EDUCATION

York University   Toronto, ON
Honors Bachelor of Science in Computer Science   *Sep. 2020 – May. 2025*
Courses: Fundamentals of Data Structures, Advanced Object-Oriented Programming, Software Design, Design and Analysis of Algorithms, User Interface, Data Science, Operating System Fundamentals.

EXPERIENCE

Sun Life Financial   Toronto, ON
Software Engineer Intern   *Aug. 2023 – Dec. 2023*
- Engineered a scalable microservice pipeline to process over **10,000** data files, leveraging **Apache Kafka** for efficient data streaming and **JSON** processing, resulting in a **18%** improvement in processing efficiency.
- Developed and executed **25+** unit tests and other functionality for Java API microservices, contributing to an **11%** reduction in production errors and ensuring reliable performance for over **15,000** employees worldwide.
- Implemented **Java** functions using **Kafka Streams** to process real-time data, enhancing data processing speed by **20%** while integrating **MongoDB** to manage over **100,000** Kafka messages across Sun Life user interfaces.

On Site Support Technician   *May. 2023 – Aug. 2023*
- Actively participated in deploying Windows 10 laptops and desktops within predetermined timelines and processes, resulting in an over **15%** increase in laptop deployment compared to the previous quarter.
- Communicated effectively with **100+** employees across different software roles, providing tailored software support for optimal usage, increasing user satisfaction by **25%**.

eWorx Technology   Remote
Software Developer   *Jan. 2023 – May. 2023*
- Designed a secure database system incorporating **SQL** injection prevention and optimized data generation algorithms, improving processing speed by **67%** and enhancing the overall user experience.
- Enhanced the client-side interface by integrating **FastAPI** for real-time data display, increasing security and responsiveness across client and server infrastructures for a seamless user experience.
- Refactored the web application, reducing code complexity by **30%**, leading to improved modularity, maintainability, and scalability.

Arab Information Management Services   Kuwait City, Kuwait
Software Developer Intern   *May. 2022 – Dec. 2022*
- Improved user interface functionality by integrating an external pop-up feature utilizing **HTML/CSS** for rotating official documents, leading to an **8%** increase in user engagement.
- Tested, identified, and resolved over **100** bugs in a web-based Human Resource Management System, enhancing system performance and reducing error occurrences by over **15%**.
- Optimized front-end and back-end components for efficient data storage, updates, and display of employee information, increasing user satisfaction by **12%** through streamlined access and enhanced responsiveness.

PROJECTS

Mission: Accomplished (To do List) | *JavaScript, Node.js, React, MongoDB, Docker*   September 2024 – Present
- Developed a web application with a **React** frontend, **Node.js/Express** backend and **MongoDB** for data storage.
- Supports task creation, updating, deletion, and status toggling with real-time database synchronization.
- **RESTful API** endpoints handle task operations, ensuring smooth communication between client and server.
- Deployed the app for real-world use, allowing users to manage tasks seamlessly across a responsive interface.

TECHNICAL SKILLS

Languages: C#, HTML/CSS, Java, JavaScript, Python, SQL.

Frameworks: Express.js, FastAPI, Flask, Kafka, MongoDB, Node.js, React, RESTfulAPI, SoapUI, Spring Boot.

Developer Tools: Docker, Eclipse, Git, Google Cloud Platform, JIT, Postman, PyCharm, VS Code, Visual Studio.