

OMID MOADDAB

PROFESSIONAL SUMMARY

Accomplished professional with a distinguished career in designing, implementing, and managing complex web applications. Expert in modern front-end and back-end technologies, architectural design patterns, and system integration. Proficient in steering projects through the software development life cycle to deliver efficient solutions meeting business needs. Skilled leader with the ability to align technology strategies with business objectives, promote best practices, and remain current with industry trends to seek innovation.

CORE COMPETENCIES

- Front-End & Back-End Technologies
- Programming Languages
- Database Management
- DevOps Practices & Tools
- Security Principles
- Framework Testing
- Agile Methodologies
- User & Market Trends Research
- Business & Technical Requirements
- Emerging technologies Integration
- Transformative Leadership
- Project Coordination & Alignment

WORK EXPERIENCE

IBM CANADA - HDM Cloud Database Engineer, Markham, Canada, 2021 - Current

- Developed and enhanced testing services and infrastructure to support stress testing and scaling of services, fulfilling multiple roles including system support, performance analysis, troubleshooting, and capacity planning to ensure optimal operation.
- Implemented support for verifications of JSON Web Tokens (JWT) within the Db2 engine, enabling unified authentication to cloud applications and Db2 database to enhance security.
- Facilitated the CI/CD process by setting up Jenkins Master and multiple slaves as a CI tool for the team, while providing robust reporting and rollout management for cloud-based services.
- Collaborated with networking and infrastructure teams to establish IBM Cloud Kubernetes (IKS) clusters for development and production environments, also executed system enhancements, including operator changes for accessing RamDisk and integration of a new io scheduler, resulting in a significant increase in customer-accessible storage from 4TB to 12TB.
- Technologies: JWT, Selenium, Db2, Jenkins, CI/CD, IBM Cloud Kubernetes, Go, PostgreSQL

QUAD-FI - Full Stack Developer, Toronto, Canada, 2021 - 2021

- Played a vital role in a collaborative agile-based team of six engineers, contributing to the development and maintenance of a high-traffic web application with over 1000 daily active users.
- Led the design and implementation of an administrative and customer-facing web client using the MERN stack (MongoDB, Express, React, and Node.js), integrating third-party APIs such as Plaid with in-house products to enhance functionality.
- Functioned as a key liaison between the development team and the UI/UX team, effectively gathering user requirements and communicating them to senior management, design, and development teams, while documenting the entire process for clarity and coherence.
- Leveraged a comprehensive understanding of secure cloud configuration and networking services, including Cloud Trail, AWS Config, VPC, Security Groups, and VPN, bolstering the platform's security and performance.
- Technologies: MongoDB, Express, React, Node, APIs, Agile methodology, Secure-Cloud Configuration

YORK UNIVERSITY - AI Software Developer, Toronto, Canada, 2020 - 2021

- Managed Student Virtual Assistance (SVA) chatbot, scrutinizing conversations for accuracy, mitigating false positives/negatives, and augmenting its training for better comprehension, while also developing and testing new user conversation flows based on content team requirements.
- Conducted rigorous testing of SVA's precision and confidence levels post every content ingestion and feature addition, ensuring a continuous improvement in AI performance and effectiveness.
- Developed API calls for data management, composed JavaScript scripts and CSS for UI design using the Vue framework, and supported SVA's migration to a CMS solution, facilitating an intuitive user experience and enabling content owners to directly maintain response content.
- Collaborated with the Student Services Team for content mapping/optimization, pre-processing content from diverse sources for precise ingestion by SVA, and played a key role in the build process, transferring changes from DEV to QA to Production to ensure high-quality deliverables.
- Technologies: Moodle, IBM Watson, Vue, JavaScript, CSS, UI/UX

INDIGENOUS FRIENDS ASSOCIATION - Web Developer, Toronto, Canada, 2020 - 2020

- Conceptualized wireframes for the Indigenous Friends Website Gallery using Figma and Balsamiq, incorporating stakeholder requirements into a well-defined outline for the gallery's behavior.
- Developed a working prototype within Figma of the selected wireframes, incorporating iterative feedback from the stakeholders for improvements.
- Collaboratively built and rigorously tested a Flutter-based working prototype of the selected wireframes using Github, showcasing effective team coordination and technical skills.
- Successfully presented the final product to the stakeholders and Executive Team, demonstrating adaptability through incorporating necessary changes based on the feedback received.
- Technologies: Figma, Balsamiq, Github, Flutter

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EDUCATION

BA in Information Technology

York University, Toronto, 2020
• CGPA: 8.29/9.00

BS in Industrial Engineering

University of Toronto, 2017
• James A. Peers Scholarship Recipient

TECHNICAL SKILLS

- Operating Systems: Android, Windows, iOS, MacOS, Linux, Unix
- Design & Prototyping Tools: AutoCAD, Figma, Balsamiq
- Programming: C, Java, C++, PHP, Python, JavaScript, SQL, Golang
- Cloud Computing: AWS, Azure, IBM Cloud, IBM Watson Assistant
- Web Framework: React, Angular, Node.js, WordPress, Vue, Laravel
- Unit Testing Framework: Selenium, Jest, Cucumber

SOFT SKILLS

- Analytical Thinking & Decision-Making
- First-Rate Attention to Detail & Accuracy
- Complex Problem-Solving
- Integrity & Accountability
- Excellent Communication
- Time Management & Organization
- Multitasking & Prioritization
- Relationship-Building & People Skills

CERTIFICATIONS

- IBM Cloud Essentials
- IBM Developer Jumpstart - Practitioner
- IBM Developer Jumpstart Virtual Lab
- Enterprise Design Thinking Practitioner
- Product Management Certificate
- CompTIA A+ Cert Prep: The Basics
- Telling Stories with Data
- Bored and Brilliant
- Virtual Reality Foundations
- Side Hustle Strategies for Designers
- Introduction to Ethical Hacking

LANGUAGES

- English: native proficiency
- Arabic: limited work proficiency
- French: limited work proficiency

HONORS & AWARDS

- Dean's Circle of Student Scholars member, York University, 2019
- Golden Key International Honor Society member, 2018
- James A. Peers Scholarship Recipient, University of Toronto, 2017