Mehdi Moradzadeh

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PROFESSIONAL SUMMARY

Results-driven software developer with a Master's in Engineering and a Full-Stack (MERN) Development Certificate from the University of Toronto. Dedicated to building efficient, scalable web applications with a focus on performance and user experience. A resourceful problem-solver skilled in JavaScript, React, Node.js, and SQL, with a strong commitment to continuous learning and cross-functional collaboration.

WORK EXPERIENCE

Mr. Beaver Inc.   **Vaughan, ON**
Data Analyst   *February 2023 - Present*
- Spearheaded the transition to a cloud-based, paperless workflow by developing automated Excel spreadsheets and databases to track inventory, costs, and daily logs, enabling improved invoicing efficiency, enhanced security, and actionable business insights through real-time data access and analysis.
- Orchestrated the migration from an outdated legacy website to a responsive, WordPress-based platform, enhancing system reliability while increasing overall efficiency by 15% through server optimizations and rigorous code reviews.
- Optimized system infrastructures by implementing a cloud-based CRM system to automate invoicing, customer follow-ups, and administrative tasks, enhancing system performance, reducing errors, and improving productivity.
- Implemented robust data security protocols using Microsoft OneDrive and Administration Platform, including role-based access controls, phishing email filters, and mandatory two-step verification, reducing security incidents by 30% and enhancing overall data integrity and communication oversight.
- Managed the redesign of the company website using React.js within a MERN stack framework, enabling cross-platform desktop management through Electron.js to enhance user engagement by 25% and decrease bounce rate by 20%.

R&C Engineering   **Toronto, ON**
Engineer in Training   *July 2022 - February 2023*
- Oversaw restoration projects for a building science consulting firm, conducting on-site inspections, documenting observations, and reporting issues to ensure contractor compliance with design specifications.
- Developed clear and detailed technical reports for restoration projects, ensuring transparency with clients and supporting project dispute resolutions by translating complex engineering observations into client-friendly language.
- Conducted failure and reliability analyses during site inspections, managing AutoCAD designs to identify key non-compliance issues ensure alignment with engineering standards.

PROJECT EXPERIENCE

University of Toronto   **Toronto, ON**
BudgetWise   *August 2023*
- Developed a financial management web application using object-oriented programming (OPP), enabling users to track budgets, incomes, and expenses while visualizing financial activities through interactive pie charts for enhanced insights.
- Integrated Stripe for secure donation functionality, optimized data retrieval with GraphQL and MongoDB for flexible, scalable storage, implemented custom middleware for authentication, error logging, request validation and server routing.
- Technologies: OAuth, JWT, GraphQL, MongoDB, Token, Stripe, Express.js, Node.js

University of Toronto   **Toronto, ON**
Blogtopia   *June 2023*
- Developed an end-to-end social media platform the MERN stack, enabling users to create, read, update, and delete posts and comments using HTML, Javascript, and Node.js, enhancing overall user engagement and interaction.
- Technologies: Handlebars, REST API, CRUD, Hooks, Axios, Server Protocols, Postman, MySQL Schemas & Models

EDUCATION

University of Toronto   **Toronto, ON**
Full Stack Web Development Certificate   *Graduation Date: August 2023*

Ryerson University   **Toronto, ON**
Master of Applied Science in Engineering, Specialization in Concrete Materials   *Graduation Date: January 2023*

SKILLS & CERTIFICATIONS

Programming Languages: JavaScript (ES6+), TypeScript, Python, C/C++
Web Development: HTML, React.js, Vue, Node.js, npm, Tailwind CSS, Handlebars, Express.js, jQuery, Electron.js
Database & API Tools: MySQL, MongoDB, SQL/NoSQL, Postman, GraphQL, REST API, Axios, Power BI, Bcrypt
Deployment & Tools: Git, Heroku, AWS, Gitlab, Visual Studio Code, Microsoft OneDrive, Microsoft Administration Platform, IT Automation, Module-View-Control (MVC) Architecture
Project Management: Object-Oriented Programming, Functional programing, Cross-Functional Collaboration, Stakeholder Communication, Documentation and Reporting, CRM Implementation, Data Analysis, Optimization, UI/UX Design