Toronto, ON, M3C 0P1

OMAR HUSSEIN

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PROFESSIONAL SUMMARY

Software development student with a passion for web programming and cloud solutions. Proficient in diverse programming languages, B2B technologies, and tools; approaching challenges with a systematic, innovative, and impactful mindset. Committed to teamwork, problem-solving, continuous learning, and skill enhancement.

SKILLS & TECHNOLOGIES

JavaScript | TypeScript | Python | GO | C++ | C | Java | PHP | SQL | Bash | UML | HTML | CSS | JSON | XML | REST | AWS | Azure | Unix | Linux | Postgres | MySQL | MongoDB | Node.js | React.js | Next.js | Angular2 | Express.js | Redux | jQuery | Bootstrap | Material UI | Git | GitHub | Spring Boot | OpenCV | WordPress | Adobe XD | Figma | Excel | Word | Jenkins | Jira | Confluence | Trello

EMPLOYMENT

Full Stack Developer, Co-Op   Sun Glow Window Coverings, Toronto, ON   **May – Sep 2023**

Enhanced numerous e-commerce websites, cloud services, and built ETL tools to seamlessly integrate commerce data with manufacturing and warehousing software.

- Spearheaded the redesign of React.js UI and Express.js API, resulting in a **20% loading time decrease**, **40% traffic increase**, and **improved SEO ranking** for offcutshades.com.
- Revived B2B wholesale.mysunglow.com by importing new datasets to automate order processing and enhance manufacturing ETL workflows using Python.
- Improved search, filtration, and UI usability of orderforms.mysunglow.com using PHP and jQuery leading to significant decrease in page bouncing.
- Collaborated in a team of 6 to address e-commerce, marketing, and design needs of the corporation.
- Presented weekly progress updates in stakeholder meetings and participated in task assignment discussions.

Full Stack Developer, Part Time   Seneca Innovation Labs, Toronto, ON   **Mar – July 2023**

Led the development of a community center management app, enabling automated record collection and real-time analytics for distributed access.

- Gathered requirements from an NGO client and guided a team of 3 in creating a user-friendly UI with React.js.
- Established industry standard code structure and practices to ensure project **maintainability and scalability**.
- Transformed Excel tools into an Express.js app with automated features and live data updates.
- Implemented **robust access control system** across multiple organizations ensuring user data security.
- Developed MySQL encrypted database backup and recovery utilities to ensure data integrity and privacy.

Backend Developer, Contract   EK Tech Solutions, London, ON   **Jun – Aug 2022**

Designed and implemented a web scraper to identify sales leads and market trends for corporation-wide ETLs.

- Automated collection and analysis of resources in Postgres, reducing a **2-hour task per week to 10 minutes**.
- Achieved a **35% improvement in website loading times** by optimizing visual asset compression.
- Collaborated on developing internal Python-based workflow-enhancing tools to boost team productivity.

WordPress Developer, Contract   Stud Coffee, London, ON   **Mar – May 2022**

Improved and maintained e-commerce platform with market-driven adaptations and analysis to meet business needs.

- Led website redesign and implemented order scheduling resulting in a **20% customer conversion rate increase**.
- Analyzed customer interactions to identify successful UI changes to improve overall user experience.
- Utilized CRM and sales data to guide product price adjustments and marketing strategies.
- Managed recourse and asset collection to integrate for display across the website.

EDUCATION

Honours Bachelor of Technology, Software Development	**Seneca College, Toronto, ON**	**Sep 2020 – Aug 2024**

- **Current GPA: 3.9/4**
- **President's Honor List:** Certificate for academic excellence for **4 consecutive semesters**.
- **Competitions: Awarded 1st place of 46** for best MERN stack UI/UX and performance web class project.
- **Tutor: Taught 5 – 7 classmates** each semester resulting in visible grade improvement.
- **Coursework:** Operating Systems | Databases | Programming Languages | Data Structures | OOP Principles | Algorithm Design | UML Design | Software Design Patterns | Software Architecture | Networking | Computer Vision | Web Dev. | Mobile Dev. | Cross Platform Dev. | Agile Dev. | UI/UX Design Analysis

PROJECTS

RFID Door Management System, Seneca College   **2022 – 2023**

Developed a 3-tier access control system with ReactJS, Express.js, and MongoDB for secure premise monitoring. Created data aggregation pipeline for analyzing RFID hardware feedback following Agile methodology in a team of 3.

Mock Web Bank, Seneca College   **2022**

Created banking server and API with a team of 3 using software design patterns to handle business transactions for multi-role users using Spring Boot, JWT, and Postgres. Gained enterprise application architecture insights.

HR Helper System, Markham/Stouffville Hospital   **2021**

Developed a natural language document search engine integrated with an AI chatbot to streamline HR processes and improve efficiency. Handled intricate client requirements effectively in a team of 3.