



PROFESSIONAL SUMMARY

Software engineer with a passion for web development, micro-services, 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, GO, Python, PHP, SQL, Bash, UML, HTML, CSS, AWS, Azure Cloud, Linux, Docker, Postgres, MySQL, MongoDB, Redis, Node.js, Express.js, React.js, Next.js, Vue.js, Nuxt.js, OpenCV, Selenium, Pandas, Git, GitHub, BitBucket, Google Analytics, WordPress

EMPLOYMENT

Junior Web Developer, Co-Op Treasury Board Secretariat, Toronto, ON 2024 – Current

Developed and aided in migration of internal CMS application with over 170k users from WordPress to custom Golang API managed by Docker/Kubernetes cluster.

- Spearheaded upgrade of internal API from **Golang v1.13 to v1.22** insuring full compatibility with new standards.
- Integrated sitewide Google Analytics on user generated content for tracking events and interactions.
- Implemented **web accessibility** standards using Vue.js resulting in more user-friendly interfaces.
- Developed bash script to automate synchronization of local Golang tools with docker image for IDE support.

Full Stack Developer, Co-Op Sun Glow Window Coverings, Toronto, ON 2023

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

- Overhaul for [B2C](#) site React.js UI and Express.js API resulting in a **20% loading time decrease** and **40% traffic increase**.
- Revived [wholesale](#) site by automating order processing and enhancing manufacturing ETL workflows using Python.
- Improved search, filtration, and UI usability of [B2B](#) site using PHP and jQuery leading to reduced page bouncing.
- Deployed Node.js microservice to calculate material cost based on user selections.

Full Stack Developer, Part Time Seneca Innovation Labs, Toronto, ON 2023

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

- Established industry standard code structure and practices to ensure project **maintainability and scalability**.
- Transformed Excel tools into an Express/React.js app with automated features and live data visualization 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 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 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

Honors Bachelor of Technology, Software Development	Seneca College, Toronto, ON	Sep 2020 – Aug 2024
<ul style="list-style-type: none">• Current GPA: <u>3.9/4</u>• President's Honor List: Certificate for academic excellence for 5 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.		

PROJECTS & OPEN-SOURCE CONTRIBUTIONS

File Browser, Actively Developing	2023 - Current
Web based file browser written in Golang and Vue.js, contributions include migration to Vue3, right-click context menu, file compression, Apple image format rendering, and more.	
WellSphere AI, OPS/Microsoft AI Hackathon	2024
Developed and deployed a mental health and wellness AI assistant using Azure Copilot integrated into a Power Pages app with Power BI dashboard for tracking mental health metrics.	
Caddy Server	2023
Fast and extensible multi-platform web server, contributions include configuration file reading improvements.	
Computer Vision Facial Tracking Joystick, Seneca College	2023
Designed facial tracking model using Python, OpenCV, and MediaPipe allowing users to control a virtual joystick based on the relative eye, nose, and mouth positions.	
RFID Door Management System, Seneca College	2022 – 2023
Developed a 3-tier access control system with Python, Express.js, and MongoDB for secure premise monitoring equipped with analytical tools for RFID gateway feedback.	
HR Helper System, Markham/Stouffville Hospital Hackathon	2021
Developed and deployed demo of a natural language document search engine integrated with an AI chatbot to streamline HR processes and improve efficiency.	