

Aman Tawakley

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EDUCATION

University of Western Ontario

Expected 2023

Bachelor of Science in Computer Science

EXPERIENCE

Software Engineer (Co-op) | BlueCat Networks

Sept 2021– May 2022

- Worked as a member on an agile development team, contributing to the development, and maintenance of the Gateway product.
- Contributed to the redesign of user interface using React to create a MPA with enhanced features and improved responsiveness.
- Developed a new version of a copyright checking script, resulting in a more modular and efficient design. Implemented path specific exceptions and rules, as well as improved configuration options.
- Collaborated with cross-functional teams, including product managers, and designers to ensure the successful development of new features and improvements

Web Developer | Western Society for Civil Engineering

Sept 2020 – April 2021

- Revamped the club's website using Vue.js and Firebase, resulting in a modern design with increased information relevant to the club and created an admin portal for seamless and efficient management by the club's executive team
- Implemented SEO strategies to improve search engine ranking and visibility
- Collaborated with the club's executive team, and used version control systems like Git to develop and maintain the website

Software Developer (Co-op) | Zenith System Solutions

June 2020 – Aug 2020

PROJECTS

Authentication Service (Node.js, Express, MongoDB)

- Implemented JWT-based authentication and authorization microservice as a Node.js server utilizing various tools and libraries such as JSON Web Token, Express.js, MongoDB, and more.

URL Shortener (Mongo, Express, Node, Heroku)

- A Node.js microservice for generating short URL's, built using TypeScript and Express.js, with MongoDB as the database. Optimized for high traffic and scalability, with low memory and CPU usage. The service is in continued development.

Hospital Record System (PHP, MySQL)

- As part of a course, I built a PHP web application that connected to a MySQL database. The app was designed to manage and visualise data about hospitals, doctors, patients, and their relationships. The application has a user-friendly interface that allows users to easily view and manage data. This project provided me with a fantastic opportunity to put my PHP and MySQL skills to use and create a real-world application.

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Technologies, Tools, and Languages

- Java, JavaScript, TypeScript, Python, C/C++, HTML, CSS, Less (CSS), SQL
- Vue, React, Angular, Node.js, Express, Selenium, Flask, Unix, Docker, Prisma ORM
- Webpack, Git (Version Control), AWS, Firebase, Insomnia, Figma, Bootstrap