

Aman Tawakley

647-459-3225 | aman.tawakley@icloud.com | [linkedin.com/in/aman-t](https://www.linkedin.com/in/aman-t) | github.com/amaaan2906

EDUCATION

University of Western Ontario
Bachelors of Science in Computer Science

London, ON
Jun. 2024

EXPERIENCE

Software Engineer

Sep. 2021 – May 2022

Bluecat Networks

Toronto, ON

- Built optimized React pages and enhanced Python back-end as part of an agile development team for the enterprise network automation platform, leading to improvements in responsiveness.
- Spearheaded an upgrade to the copyright checking script, implementing configurable support for multiple copyright messages, optimizing directory search, and reducing runtime load by 20%.
- Partnered cross-functionally with product, design, and engineering teams to successfully scope, build, and launch new platform features that aligned with business objectives.

Web Developer

Sep. 2020 – Apr. 2021

Western Society for Civil Engineering

London, ON

- Designed and built an optimized a Vue front-end architecture with modern UI/UX principles and reusable components, achieving 25% faster page loads, 15% reduction in development time, and 40% decrease in code complexity through strategic state management.
- Engineered technical SEO optimizations including metadata restructuring and performance improvements, resulting in 30% increase in organic traffic and enhanced search visibility.
- Streamlined development workflow through Git version control and regular meetings with club executives, ensuring timely delivery of features aligned with organizational objectives.

Software Developer

Jun. 2019 – Aug. 2019

Zenith System Solutions

Toronto, ON

- Developed key front-end features for a fitness app using Vue, collaborating closely with the team lead to build modular, maintainable components that aligned with established architectural guidelines.
- Established a secure user management system leveraging Strava OAuth and AWS Cognito, and integrated Strava APIs to retrieve and manage customer data, boosting security and performance.

PROJECTS

Sudoku | *Bun, TypeScript, MongoDB, SwiftUI*

- Developing a Sudoku app aimed at improving users' Sudoku skills. The REST API generates unique boards and includes a solver. The mobile app is currently in development with planned features: daily challenges, progress tracking, and cloud sync via user login.

Aperture | *Bun, TypeScript, SQLite, MongoDB, SwiftUI*

- Developing a photo-sharing app inspired by Instagram's original simplicity. Built with SwiftUI for the front-end, Bun / TypeScript back-end, and hybrid SQLite3 / MongoDB database architecture. Features include chronological feed and optimized performance for seamless user experience.

Password Vault | *Java Maven*

- Creating a secure Java system for storing sensitive data, utilizing AES-256 encryption. Features include a double encrypted vault, local storage, and protected backups.

Fuel Economy Tracker | *Bun, TypeScript, SQL, SwiftUI*

- A mobile app for tracking vehicle fuel consumption and carbon footprint. Features include multi-vehicle tracking, data visualization, receipt storage, and personalized recommendations. Currently in development.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, Go, C/C++, HTML/CSS, SQL

Frameworks: React, Vue, Angular, Tailwind, Node, Bun, Express.js, Hono, Flask, pytest, JUnit, Selenium, Puppeteer, Jest, NoSQL, Relational databases

Tools: Docker, Firebase, AWS, MongoDB, MySQL, SQLite, Jenkins, Jira, Confluence, Git, Figma, Insomnia