

Aidan Froggatt

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EDUCATION

McMaster University

Bachelor of Engineering in Software Engineering

Hamilton, ON

September 2021 – May 2026

EXPERIENCE

Software Engineer Intern

IBM

May 2024 – Present

Markham, ON

- Built and deployed scalable, user-focused features for watsonx Orchestrate, serving Fortune 100 clients and government agencies, using React, TypeScript, SCSS, and Redux, resulting in improved user satisfaction.
- Developed an automated testing framework using Java, JUnit, and Selenium, testing across multiple environments via a Jenkins pipeline and batch scripts, with 95%+ success rate and results hosted on a virtual machine.
- Planned a comprehensive server-side validation framework, identifying and documenting 250+ scenarios covered, implemented using TypeScript.

Co-Founder and CTO

Links Connect Inc.

July 2024 – Present

Burlington, ON

- Launched Swingers Golf, a mobile cross-platform golf social networking application built with Remix, Expo, React Native, TypeScript, and Tailwind CSS, facilitating engagement for golfers with a potential market size of 60M+.
- Designed a scalable backend with PHP, Laravel, MySQL, AWS S3, DigitalOcean and Vercel, ensuring 99.9% uptime and seamless matchmaking and real-time notifications.
- Led beta testing with 30+ experienced golf management professionals, incorporating industry expertise to refine matchmaking, social features, and user experience.

Software Engineer Intern

Burloak Technologies

May 2023 – September 2023

Oakville, ON

- Architected a full-stack web application for data analysis, visualization, and automated report generation utilizing Node.js, Express, React, and Tailwind CSS, increasing efficiency and supporting engineering decisions.
- Designed and implemented a database with custom PDF scrapers using Python, pandas, batch scripts, and MySQL integrating 33 data sources, and increasing data collection speed by over 200x.
- Directed a cross-functional effort to develop an interactive machine maintenance and verification dashboard with Power BI, reducing downtime and maintenance costs through real-time monitoring and statistical analysis.

Frontend Developer

Universole Fit

March 2023 - May 2023

Hamilton, ON

- Developed a Shopify plugin using React, Shopify CLI, and AWS, securing the startup's first client.
- Built and deployed a Shopify theme app extension to improve storefront user experience.

CLUBS AND LEADERSHIP

Marketing and Branding Lead

Google Developer Group on Campus McMaster University

May 2024 – Present

Hamilton, ON

- Led a team of 15 in developing SEO optimized web apps using Next.js, TypeScript, Vercel, Firebase, GraphQL, Sanity, and Tailwind CSS, expanding the club community to over 2000 followers.
- Facilitated cross-team collaboration by managing feature planning, task delegation, and progress tracking, achieving 100% on-time delivery of all initiatives.
- Designed and developed a custom web layout using Figma, ensuring consistent branding and an optimized user experience across digital platforms.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Python, Go, C, PHP, SQL (MySQL), Batch, HTML/CSS

Frameworks: React, Next.js, Remix, React Native, Expo, Redux, Laravel, GraphQL, Node.js, Flask, Express, JUnit

Cloud: AWS (Amplify, Cognito, S3, Route 53), DigitalOcean, Firebase (Hosting, Authentication, Firestore, Storage)

Tools: Git, GitHub, Docker, Jira, Jest, Selenium, DevTools, Postman, Insomnia, Figma, ESLint, VSCode, IntelliJ