

Aidan Froggatt

aidanfr@live.ca | aidanfroggatt.com | linkedin.com/in/aidanfroggatt | github.com/aidanfroggatt

EXPERIENCE

Tesla

Palo Alto, CA

Software Engineer

July 2026 – Present

- Build and maintain end-to-end product features with Next.js, TypeScript, and Postgres for an internal engineering platform used to define, track, and validate product requirements, partnering with users and designers from scoping through release.
- Propose and lead team-wide initiatives, including a design system migration, a shared documentation site for the team's apps, and a codebase restructure that speeds up AI-assisted development.
- Build tooling to test changes in isolation before production, such as Playwright end-to-end tests in CI, a seeded local database, migration checks, and Kubernetes preview deployments.

Tesla

Palo Alto, CA

Software Engineer Intern

May 2025 – August 2025

- Built and shipped an internal platform and a product validation application with Next.js, TypeScript, tRPC, Postgres, and Tailwind CSS, automating manual engineering workflows.
- Won 1st Place in an internal hackathon with an AI-powered framework that converts natural language user flows into automated frontend tests.

IBM

Markham, ON

Software Engineer Intern

May 2024 – April 2025

- Designed and deployed scalable, user-focused features for watsonx Orchestrate, serving Fortune 100 clients and government agencies, using React, TypeScript, SCSS, and Redux.
- Developed an automated testing framework using Java, JUnit, and Selenium, testing across multiple environments via a Jenkins pipeline and batch scripts, with a 95%+ success rate.

Links Connect Inc.

Burlington, ON

Co-Founder and CTO

July 2024 – April 2025

- Built Swingers Golf, a cross-platform golf social networking app using Remix, Expo, React Native, TypeScript, and Tailwind CSS, and beta-tested it with 30+ golf management professionals.
- Planned a scalable backend with PHP, Laravel, MySQL, AWS S3, DigitalOcean, and Vercel, ensuring 99.9% uptime for matchmaking and real-time notifications.

EDUCATION

McMaster University

Hamilton, ON

Bachelor of Engineering in Software Engineering

September 2021 – May 2026

- Won 1st Place at DeltaHacks IX with a coding challenge game built in React and Node.js.
- Won Best Sustainability Hack at MacHacks 3.

CLUBS AND LEADERSHIP

Google Developer Group McMaster University

Hamilton, ON

Web Development Team Lead

May 2024 – May 2026

- Led a team of 15 in developing SEO-optimized, client-facing web apps using Next.js, TypeScript, Vercel, GraphQL, Sanity CMS, and Tailwind CSS, expanding the club community to over 2000 followers.

TECHNICAL SKILLS

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

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

Cloud and DevOps: AWS (Amplify, Cognito, S3), Firebase, DigitalOcean, Docker, Kubernetes, Argo CD

Tools: Git, GitHub, Jira, Drizzle ORM, Playwright, Jest, Selenium, JUnit, Postman, Figma, ESLint