

Matthew Francis

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EXPERIENCE

Lightspeed | Toronto, ON – Software Dev Engineer II (Frontend) Jun 2022 – Present

- Contributed to the development of a point of sale system in X-Series team that impacts over 130,000+ enterprises including Sony, Nordstrom, and Hudson Bay with **React**, **Angular**, **Typescript**, **JS**, **HTML**, **CSS**, **SCSS**, **Apollo**, **GraphQL**, **React Testing Library**, **Jest**, **Docker**, **Cypress**.
- Launched a core feature for 60,000+ merchants to track their services and control what's occurring in their shops.
- Optimized checkout experience for customers that impacts 35 billion transactions per year by engineering a solution for sales to be finalized from other microservices.
- Revitalized a personalized discount product to elevate customer conversion for over 100,000+ merchants with the incorporation of in-demand features and a streamlined UX flow.
- Pioneered translating the application with **Transifex** to multiple languages to expand user accessibility in European and Latin American markets.
- Integrated analytic alerts for engineers and product managers to track problems and user behaviour events in the frontend using **Datadog**, **Raygun**, **Redash**.

Starty | Waterloo, ON – Co-Founder & Full-Stack Software Engineer Dec 2021 – Present

- Led a team of 4 to engineer and grow a beta platform that evolved into a non-profit for fostering student collaboration with an outreach of over 150+ registered students with **Next.js**, **Typescript**, **JS**, **HTML**, **CSS**, **React Testing Library**, **Jest**, **Node.js**, **Express.js**, **PostgreSQL**, **Liquibase**, **Figma**, **Lighthouse**, **axe**, **GitHub Actions**.
- Collaborated with 5 mentors in an incubator to guide the development of a business plan, conduct market research with over 300+ people, and secure seed funding through early-stage investments.
- Amplified product adoption by conducting user discovery sessions to validate the product with over 50+ users.

Habanero | Toronto, ON – Frontend Software Engineer Intern Sep 2021 – Jan 2022

- Enhanced client relationships by developing a holiday-themed application with GO team for 50+ enterprises such as Petro Canada, Herschel, GTAA with **React**, **Typescript**, **JS**, **HTML**, **CSS**, **SCSS**, **React Testing Library**, **Jest**.
- Increased outreach by over 25% and improved user experience through user-accessibility design for disabled users and legacy browsers with **axe**; boosted SEO ranking to top results; built social media sharing feature.
- Raised user retention and engagement rates by over 15% by creating dynamic animations using **React-Spring** and accelerating performance by 2x with lazy loading, minifying, compression, and **Lighthouse**.

Badal | Toronto, ON – Full-Stack Software Engineer Intern May 2021 – Sep 2021

- Constructed frontend and backend of a Shopify application with Retail team that facilitates sales for stores which caters to over 200,000+ clients with **React**, **Redux**, **Typescript**, **JS**, **HTML**, **CSS**, **SCSS**, **React Testing Library**, **Jest**, **PostgreSQL**, **Node.js**, **Express.js**, **Docker**.
- Improved backend scalability and increased performance by over 33% through database normalization, indexing databases, SQL query optimization for faster data retrieval, and designing a microservice with **Docker**.
- Implemented a centralized data management system utilizing **Redux**, resulting in a 25% improvement in code optimization and enabling the development of complex application features.

Laurier Computing Society | Waterloo, ON – Frontend Software Engineer Sep 2020 – May 2021

- Assisted an industry-hired software engineer in guiding a team of 5 in developing an agile-based application to showcase the University's Computer Science program for an annual audience of 3,000+ candidates with **React**, **Typescript**, **JS**, **HTML**, **CSS**, **SCSS**, **React Testing Library**, **Jest**, **Cypress**.

EDUCATION

Wilfrid Laurier University (Computer Science GPA: 3.9/4) Waterloo, ON
Honours Bachelor of Science, Computer Science 2018 - 2023

TECHNICAL SKILLS

Frontend: React, Next.js, Angular, React-Spring, Redux, Apollo, Typescript, React-Testing-Library, Enzyme, Jest, HTML, SCSS, BEM, CSS, Bootstrap, JS, Figma, Lighthouse, axe, Android Studio
Backend: Docker, CI/CD, Node.js, Express.js, PostgreSQL, MongoDB, GraphQL, Liquibase, Java, Python
Tools: Git, Lighthouse, Postman, TravisCI, GitHub Actions, Shopify, Transifex, Datadog, Raygun, Redash