

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 key feature for 60,000+ merchants to track their services and control what's occurring in their shops.
- Enhanced checkout experience for customers that impacts 35 billion transactions per year by engineering a solution for sales to be finalized from other microservices and pages.
- Optimized UI for over 100,000+ merchants utilizing a feature that allows personalized discounts for customers.
- 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 potential 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 for engineering and growing a platform for students to collaborate with an outreach of over 100+ beta testers with **Next.js, Typescript, JS, HTML, CSS, React Testing Library, Jest, Node.js, Express.js, PostgreSQL, Liquibase, Figma, Lighthouse, axe, GitHub Actions, Mixpanel**.
- Collaborated with 5 mentors in accelerator to challenge decisions, address market research and pivot on ideas; and conducted market research with over 160+ people to consolidate decisions and prevent biases.
- Handled scalability of user growth by leveraging **Liquibase** for database migration of 1,000+ database rows and event-based user tracking for user performance with **Mixpanel**.

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 time users spent on site through user-accessibility design for disabled users and legacy browsers with **axe**; boosting SEO ranking to top results; facilitated social media sharing by developing a new content-sharing feature for users.
- Amplified user retention and engagement rates by over 15% through 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 and automates 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 maintainability; 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 6 in developing an agile-based application featuring regular mentorships 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, Figma**.
- Attained 100% test coverage for integration, unit, E2E tests with **React Testing Library, Jest, and 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, AWS, Gitlab, Azure DevOps, TravisCI, GitHub Actions, Shopify, Transifex, Datadog, Raygun, Redash