

# Brian Erlangga

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## Education

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**B.A.Sc University of Waterloo**, Computer Engineering

Sept 2020 – Current

- **Relevant Courses:** Data Structures and Algorithms, System Programming and Concurrency, Real-time Operating Systems

## Work Experience

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**Sun Life**, Associate Front-End Developer

Toronto, ON

January 2025 – April 2025

- Conducted a **POC** using @lit-labs/react to evaluate the viability of Google Lit Web Components in a React codebase.
- Delivered a presentation to 100+ developers on **Google Lighthouse**, which improved performance awareness across teams and strengthened my **technical communication skills**.
- Created an **Excel dashboard** that visualized Google Lighthouse metrics by URL and platform, helping teams monitor performance regressions over time.
- **Authored technical documentation** for future co-op students to onboard quickly and maintain internal tools.

**Viral Nation**, Software Developer

Toronto, ON

January 2023 – April 2023

- Developed a responsive website using **React**, **TypeScript**, **Axios**, and **MaterialUI** for the TechLabs project which held all their AI Tools.
- Integrated over 50 AI content creation tools via **REST APIs**, now used by VN Plus clients
- Assisted in maintaining three web projects by **debugging** and ensuring stability across platforms.
- Developed great **problem-solving** and **time management** skills from the fast-paced daily sprints.

**OANDA**, Software Developer

Toronto, ON

September 2021 – August 2022

- Maintained three trading platforms by fulfilling feature requests and resolving bugs via **JIRA**.
- Interfaced with their **Apollo GraphQL API** and built new queries to propagate required data to the front-end.
- Built reusable components, reusable hooks, and new pages using **React Native** and **TypeScript**, which developers are currently using at OANDA.
- Used **JEST** test coverage to ensure reliable code that delivers accurate output.
- Developed an assets holding list using **React Native**, **TypeScript** and **ApolloGraphQL** which is currently being used by customers on their forex and crypto trading services.

**OpenText**, Software Developer

Waterloo, ON


January 2021 – April 2021

- Developed a search query for the OpenText CSS library using **React**, **JavaScript** and **Sass**, which is currently being used by all front-end developers at OpenText.
- Improved critical thinking skills from resolving web development related issues raised on **GitLab**.
- Designed and implemented a dynamic folder widget skeleton using **Angular**, **TypeScript**, **Sass** which is currently being used by OpenText employees.

## Projects

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### Music Production Submission Platform

[github.com/automated-dev/saucefamilia](https://github.com/automated-dev/saucefamilia) 

- Developed a web platform for a music producer that allows users to create accounts, purchase a plan, and upload music files for music production.
- Tools Used: Next.js, Google Cloud, Supabase, Stripe API

## Skills

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**Languages:** C++, JavaScript, CSS, HTML, Java

**Technologies:** React, Next.js, Node.js, Apollo Graph QL, Git, VS Code, Excel, Google Lit, Google Lighthouse