JOSEPH HAILU

+1(416)-795-8251 | joseph.hailu@gmail.com | linkedin.com/in/josephhailu | github.com/joseph-hailu-dd

Skills

Front End: TypeScript, HTML/CSS, React, Redux, RTK Query, React Testing Library, Playwright, Storybook
Back End: Node.js, Apollo GraphQL, Express, SQL
DevOps & Tools: Azure Pipelines, GitHub Actions, Jest, Groovy, SoapUI

Work Experience

Software Engineer *Toronto, Ontario*
Deloitte Jan 2022 – **Present**

*Project 3: Provincial Healthcare Scheduling Application (July 2023 – **Present**)*

- Earned six commendations for delivering high-impact technical solutions that helped secure phase three in a provincial digital transformation project through effective cross-functional collaboration.
- Top contributor on a 130K lines of code React project, independently developing multiple features, supporting 20+ others, all while ensuring scalability, high code quality, and mentoring junior developers.
- Built a data transformation layer for 20+ APIs and 100+ endpoints, providing streamlined data structures for UI teams and achieving 100% test coverage, reducing integration issues and enhancing development speed.
- Engineered an automated CI/CD pipeline with GitHub Actions and Azure Pipelines, replacing a manual process, reducing deployment time by 70%, and significantly improving deployment reliability.
- Developed a network request mocking system that enabled contract-driven development, minimized downtime from network outages, and streamlined API debugging, reducing cross-team coordination time.
- Led the transition from JavaScript to TypeScript and introduced comprehensive integration testing, reducing runtime errors by 50% and cutting defect resolution time by 33%.

Project 2: Tableau add-on (Mar 2023 – Jul 2023)

- Created an add-on for Tableau that enabled persistent data editing and audio notifications. Also led product road mapping and spearheaded the development of subsequent prototypes leading to a winning client bid.

Project 1: Electric Vehicle Fleet Management Application (Jan 2022 – Feb 2023)

- Implemented React web interfaces, GraphQL API endpoints, and database infrastructure, enhancing access to critical analytics and reducing the time to configure new electric vehicle charging sites from weeks to days.

Junior Software Engineer Co-op *Toronto, Ontario*
Deloitte May 2021 – Aug 2021

- Developed dynamic visualizations, interactive tables, and intuitive UI elements using React and Apollo Client, enhancing data accessibility for customers and supporting actionable insights.
- Raised integration test coverage of GraphQL queries and mutations from 0% to 80% using Jest and React Testing Library, ensuring a comprehensive testing strategy and reducing post-release regressions.
- Streamlined on-boarding by updating project documentation, reducing bootstrapping time to a single day.

Testing Analyst Co-op *Oakville, Ontario*
Procor Limited Feb 2020 – Aug 2020

- Prevented data corruption of over 10,000 production database records by identifying and correcting a faulty INSERT SQL command early in the development process using automated test scripts in Groovy and SoapUI.

Content Peer Tutor *Hamilton, Ontario*
Mohawk College *Oct 2019 – Apr 2020*

- Tutored 10+ courses for the Learning Support Centre with a 90% booking rate and 60% repeat appointments.

Education

Mohawk College – Advanced Diploma in Software Development (attended 2018-2022)
Ryerson University – Bachelor of Science in Biology