

Technical Experience

Full Stack Software Engineer I

EllisDon (Blue Energy Constructors Inc.)

Feb 2022 - Jan 2025

- Led the design and development of an internal asset management platform supporting 3,000+ assets, replacing a paid third-party solution which resulted in saving thousands of dollars annually
- Designed and implemented a user training management system used by 1,000+ internal users, enabling tracking and enforcement of employee training compliance
- Architected and built a timesheet management solution, including API development and database schema, to support internal time-tracking workflows
- Delivered and scaled multiple internal systems, growing a React-based web application from hundreds to thousands of active users, by improving performance, and implementing new features
- Maintained and expanded an internal React component library, reducing development time and improving UI consistency, by creating reusable, well-documented components
- Built a reporting system with configurable rules, enabling time and condition-based report generation, by developing logic for scheduling and filtering

Jr Full Stack Software Engineer

EllisDon (PME Inc.)

May 2021 - Feb 2022

- Implemented construction cost calculation solutions using Node.js and MySQL, reducing manual estimation time and improving pricing accuracy
- Built and deployed RESTful API routes that are used by 1000+ active users, using Express endpoints integrated with a MySQL database ensuring fast and reliable data access
- Modernized a React web application UI by refactoring layouts and adopting responsive design practices, improving mobile responsiveness and user experience
- Built a React based marketing landing page for PME Inc. landing page, improving performance and responsiveness through modern frontend practices

UI/UX Designer and Front-End Developer

University of Alberta (EdTeKLA Research Group)

Sept 2020 - Dec 2020

- Designed and implemented a thread recommendation feature for a PHP-based discussion forum, collaborating with two engineers to deliver the feature using a LAMP stack
- Created UI mock ups in Figma to define features and align implementation with product requirements

Technical Skills and Tools

Languages: JavaScript, TypeScript, Python

Frontend: React

Backend: Node.js, Express, Hono

Database: MySQL, SQLite

Tools & Design: Git, Figma

Education

BSc in Computing Science

University of Alberta in Edmonton, Alberta

Sept 2015 - Dec 2020