

Technical Experience

Full Stack Software Engineer

EllisDon (Blue Energy Constructors Inc.)

Feb 2022 - Jan 2026

- Led the design and development of an internal asset management platform to replace a paid third-party tool, building a system that supports 5,000+ assets and saved the company thousands of dollars annually
- Designed and implemented a user training management system to address internal compliance tracking, enabling 1,000+ employees to manage and enforce required training through a centralized platform
- Architected and built an internal timesheet management solution to support company time-tracking workflows, including API development and database schema design for reliable data storage and reporting
- Developed key frontend features for a React-based internal web application during a 10× increase in active users, supporting growth from hundreds to thousands of users as the platform scaled
- Maintained and expanded an internal React component library to improve UI consistency and developer efficiency, creating reusable, well-documented components that reduced development time
- Built a configurable reporting system to support automated, time- and condition-based report generation, implementing scheduling and filtering logic to meet diverse internal reporting needs

Jr Full Stack Software Engineer

EllisDon (PME Inc.)

May 2021 - Feb 2022

- Implemented construction cost calculation solutions to streamline pricing workflows, building Node.js and MySQL logic that reduced manual estimation time and improved pricing accuracy
- Built and deployed RESTful APIs using Express and MySQL to support production systems, providing fast and reliable data access for 1,000+ active users
- Modernized a React web application UI to improve usability across devices, refactoring layouts and applying responsive design practices to enhance mobile responsiveness and overall user experience
- Developed a React-based marketing landing page, improving performance and responsiveness to deliver a faster, more engaging user experience

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 solution using a LAMP stack and improve content discovery for users
- Created UI mockups in Figma to define feature requirements and user flows, aligning engineering implementation with product goals

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