

Experience

EducationPlannerBC

Lead Full-Stack Developer

Victoria, BC

July 2021-Present

- Leading the migration of the province-wide post-secondary application service from IdentityServer4/.NET MVC with React to Next.js, enhancing performance, accessibility, and developer productivity
- Designed and implemented Go services with MSSQL, NATS messaging, and MeiliSearch capabilities, delivering backend APIs, data processing, and search functionality for client applications
- Developed extensive frontend features and maintained component library using React, TypeScript, TailwindCSS, Storybook; reduced technical debt and implemented responsive, accessible interfaces from Figma designs
- Led cross-functional projects, serving as the primary engineering point of contact with product, design, and leadership
- Conducted technical interviews and evaluated candidate assessments as part of the engineering hiring process, contributing to team growth and quality standards
- Mentored developers on system design, algorithms, language patterns, and code composition techniques, reducing technical blockers and improving team productivity
- Integrated the BC Provincial government issued digital ID into an OAuth2 authentication broker to streamline and improve the user authentication flow

Eddyfi Technologies - Inuktun

Electrical Engineering Co-op

Nanaimo, BC

Jan-Apr 2020

- Designed and developed hardware for remotely operated vehicles, including electrical schematics and PCBs
- Authored design documentation, technical references, testing plans, and standard operating procedures for ROV systems
- Standardized a system for flashing microcontroller configurations, leading to reduced device misconfigurations by 10%, reduced waste of critical, long lead-time components, and derisking large orders and saving ~12 QA hours/month
- Conducted manual QA and triaged control software issues in Azure Boards, found critical issues and improved release quality

Projects

Code samples, demos, and additional information available at github.com/liamcoop

TimeTracker: Easily and efficiently keep track of time spent working on different projects

- Track session time and notes for time spent on different projects/serving different clients
- Review weekly summaries and add data into your billing software all at once

TypeScript
Next.js
PostgreSQL

Palette: A tool for updating, editing, and storing your tailwind colour palettes

- Create or manage your existing TailwindCSS colour palettes for different projects
- These can be edited using the GUI, or by text through a JSON editor with live validation

TypeScript
Next.js
PostgreSQL

Education

B.Eng., Electrical Engineering

University of Victoria

2015-2020

Skills

Languages: TypeScript, JavaScript, Go, C#, C++

Frontend: Next.js, React, Redux, TanStack Query, TailwindCSS, Storybook, Jest, Vite/Webpack

Backend & Infrastructure: OAuth2, IdentityServer4, REST APIs, Kubernetes/k8s, Goose, Prisma

Databases & Search: MSSQL, PostgreSQL, MeiliSearch

Other Tools: Git, Docker, Figma, NATS, Azure Boards

Spoken Languages: English (native), French (fluent)