LiamCoop@outlook.com

Liam Cooper

Linkedin.com/in/LiamCoop
Github.com/LiamCoop

Experience

EducationPlannerBC   **Victoria, BC, Hybrid**

Lead Full-Stack Developer   July 2021-Present

- Planned and currently leading the migration of the province-wide post-secondary application service from an IdentityServer4/.NET MVC with React to Next.js, improving performance, accessibility, developer velocity.
- Delivered full-stack features with Go/MSSQL microservices consumed by .NET, React, NextJS client apps
- Collaborated with designers to implement a component library using React, TypeScript, TailwindCSS, and Storybook; translated Figma designs into production-ready interfaces
- Integrated the BC Provincial government issued digital ID into an OAuth2 authentication broker to streamline and improve the user authentication flow
- Led cross-functional projects, serving as the primary engineering point of contact with product, design, and leadership to align priorities and ensure timely delivery
- Hands-on experience deploying and debugging workloads in Kubernetes, including service configuration, log inspection, and runtime troubleshooting using kubectl

Eddyfi Technologies – Inuktun   **Nanaimo, BC, In person**

Electrical Engineering Co-op   Jan-Apr 2020

- Hardware design+development for remotely operated vehicles, schematic and PCB layouts
- Software and regression testing, manual QA, creating and managing tickets in Azure Boards
- Authored design documentation, technical references, testing plans, and standard operating procedures
- Standardized system for microcontroller configs, reduced device misconfigurations by 10%, reduced waste of critical, long lead-time components, derisking large orders and saving ~12 QA hours/month
- Conducted system stress and load tests to determine product specifications and limitations

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
TailwindCSS
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++

Frameworks & Libraries: React, Redux, TanStack Query, TailwindCSS, Storybook, Jest, Vite/Webpack

Backend & Infrastructure: Kubernetes, OAuth2, REST APIs, Goose, Prisma

Databases & Search: MSSQL, PostgreSQL, SQLite, MeiliSearch, NATS

Other Tools: Git, Docker, Figma

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