

Contact

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Languages

Python ●●●●
Typescript/JS ●●●●
Rust ●●●●
C ●●●●
Java ●●●●
Elixir ●●●●
SQL ●●●●

Technologies

Linux
Docker
React
Redux/Redux Toolkit
MongoDB
Firebase
Node.js
Express
WebAssembly
Pygame

Education

Computer Systems

Technology

BCIT 2020 - 2022

Electrical Foundation Program

BCIT 2017 - 2018

Electrical Foundation
Program Outstanding
Graduate

About Me

I am a motivated and skilled Software engineer with experience in leading small teams and developing successful applications. I am eager to learn and grow through mentorship and challenging projects.

Projects

EMA YVR WATER Monitoring System ([Github](#)) January 2022 - June 2022

Technologies Used: Python / AWS IoT Core / AWS Lambda / AWS S3

Role: Cloud Team Lead and IoT hardware integration lead

- Acted as a facilitator for communication between our cloud team and three other teams to share requirements and ensure project deliverables were completed as scheduled.
- Responsible for leading a team of 4 developers in the implementation of a new AWS platform to receive, save, and deliver data from physical IoT devices to an online dashboard.
- Integrated AWS lambda function with AWS IoT core to create bidirectional communication between sensors and dashboard.

I-Cue ([Github](#)) ([Hackathon Thread](#)) February 2022 - March 2022

Technologies Used: Nextjs / Mantine CSS / Firebase

Role: Systems Architect and Lead frontend Developer

- Developed an AI-powered studying companion that won first place in a hackathon.
- Architected application tech stack with a focus on UX and app responsiveness.
- Designed Codebase with scalability in mind abstracting out features into individual decoupled components.
- Created a notification system that gave feedback to users when submitting requests.

Snake Battle Royale ([Github](#)) March 2022 - May 2022

Technologies Used: Rust / JS / WASM / Websocket

Role: Lead deployment and integrations developer

- Deployed client and server services for a multiplayer snake game using websockets.
- Ensured communication between services were established successfully and that the servers had sufficient resources to support multiple players.
- Set up project build tool for RUST to Webassembly compilation for client snake logic.

Experience

My Living City, Victoria BC ([Github](#)) ([Website](#)) January 2021 - May 2021

Software Engineer COOP

- Converted client requirements into features for a Community discussion platform.
- Used Agile methodology through **Scrum** to keep the project on track.
- Implemented a caching system in the React frontend to reduce repeated calls to the API, reducing network traffic and improving application responsiveness.
- Replaced deprecated ORM technology with a modern system that is easier to learn, increasing productivity for future teams by lowering the barrier of entry.

Edge Maintenance, Vancouver BC September 2017 - PRESENT

Owner

- Works effectively as an independent personal business owner.
- Communicates effectively with strata members or property managers when addressing concerns and demonstrates professionalism by calmly finding solutions.