

Driven self taught developer, on a mission to learn, build, and grow. Interested in opportunities to use my skills and gain new experience in a dynamic environment.

SKILLS

- **Languages:** Go, TypeScript, JavaScript, C#
- **Frameworks:** Svelte, React
- **Tools:** Linux, Git, VSCode / JetBrains, Docker, GitHub Actions
- **Other:** TailwindCSS, WebSockets, TDD / BDD

PROJECTS

GoFetch!

github.com/jjgmckenzie/GoFetch

Live: gofetch.jjgmckenzie.ca

GoFetch is a Pet-Form as a Service (PaaS) that allows users to upload their dogs to an API via a web app

- Used Neural Networks with GoCV to quickly perform quality control on submissions, refusing if there is a human or no dog is detected.
- Used GitHub's App API to automate pull requests to the API's github image repository, resized, validated, reformatted to the requested format.
- Achieved 100% test coverage of backend with Go Test, using a Given When Then syntax.

Front End: Typescript, NextJS / React, TailwindCSS, NodeJS, Linux VPS, Docker, Traefik

Back End: Go, GoCV, Go-Github, Github Apps, Docker, Linux VPS, Traefik.

Simul.Games

github.com/simulgames/Simul.Games

Live: <https://simul.games/>

Simul.Games is a framework for real time web games using WebSockets, including 'Word Duel', a Wordle clone.

- Single-handedly responsible for the project, from conception to launch, including design, development, testing, CI / CD deployment, and Linux VPS management.
- Refactored the entire front-end framework after initial release, achieving a 40% reduction in lines of code, reduced deployment time by 96%, and eliminated the need for a dependency cache.

Front End: Typescript, React/MUI (Formerly), Svelte / Tailwind (Currently), Cloudflare Pages, Vitest

Back End: Go, Testify, Linux VPS, GitHub Actions, Traefik, WebSockets, Docker

My Website

Live: <https://jjgmckenzie.ca>

A static site displaying my projects and contact details, functioning as a 'digital resumé'

- Achieved perfect score in core web vitals on Google Lighthouse
- Written using mostly vanilla, minimal, JavaScript, styled with TailwindCSS

Front End: Astro, JavaScript, TailwindCSS, Cloudflare Pages.

EMPLOYMENT HISTORY

Full Stack Developer

Smolt Software, Freelance

2021-04 – Present

- Set up my own business, working across the stack, receiving positive feedback from clients for clear communication, proficiency, and attitude.
- Kept up to date with modern technology stacks, best practices, and workflows. Quickly adapted to new frameworks, tools, and languages.
- Undertook a game development project in C# and gained valuable experience in scope management.

Medical Office Assistant & IT Support

Fifth Street Family Practice Comox, BC

2018-08 – 2021-05
(part time before pandemic)

- Wrote python script to automate process of digitizing more than 10,000 patient profiles, improving accuracy and reduced processing time by 80%
- Displayed time management, teamwork, and ability to work under pressure.