

Full-stack engineer with 7+ years building web products end-to-end, strongest in TypeScript/React.
Co-founded two startups and shipped production apps across frontend, backend, and infrastructure.

EMPLOYMENT

Founding Engineer, Cua, Inc.

May. 2025 - May. 2026

- Designed and built the company website, database, and cloud infrastructure from scratch for a computer-use AI startup.
- Authored open-source documentation and pitched Cua at two industry events.
- Built a TypeScript interface for computer-use agent tooling.
- Engineered agents to operate reliably within operating system restrictions.
- Architected managed VM infrastructure on K8s and Incus, provisioning VMs for agent workloads.

Junior Full Stack Developer, Parcel Technologies, Inc.

Jan. 2022 - Aug. 2023

- Worked with 4+ developers and designers at a Web3 marketplace startup.
- Used Web3 libraries, React, Next.js, and GraphQL queries to implement frontend designs from scratch.
- Applied feedback and iterated on entire website implementations and designs.
- Built efficient unit testing of the internal Parcel API using jest and docker.
- Optimized a Postgres database and API calls for faster search queries.

Junior Full Stack Developer, Croo, Inc.

May. 2021 - Aug. 2021

- Built livestreaming software for automated clipping of highlight moments in video streams.
- Integrated with OBS internals to detect and extract in-game events in real time.

Technical Co-Founder, Student Corner, Inc.

Aug. 2017 - Jan. 2021

- Designed and built an entire website for showcasing project-based learning.
- Won \$20,000 in funding from the Pacific and Asian Center for Entrepreneurship startup launchpad.
- Implemented a Progressive Web App with [Vue.js](https://vuejs.org/), NodeJS to create a capable web app.
- Leveraged Amazon Web Services to implement CI/CD with AWS EKS and server hosting with AWS EC2.
- Maintained and managed production databases. (MongoDB Atlas)
- Implemented new features weekly, fixed bugs, and communicated with clients daily.

EDUCATION

Cognitive Systems BSc., Minor in Data Science
University of British Columbia

Aug. 2021 - May. 2026

TECHNICAL EXPERIENCE

- **Viralmind**
 - Co-built a computer-use AI project: a Svelte + Tauri (Rust) desktop app for recording user demonstrations to train computer-use agents, with a TypeScript backend.
 - Grew a community of ~10,000 across Twitter, Telegram, and Discord.
 - Project token reached a peak market cap of \$16M.
- **Audial**
 - Designed, implemented, and created a song guessing game website, similar to Heardle.
 - Used SvelteKit, the Spotify API, and Firebase to facilitate song previews and data storage.
 - Garnered 700 returning users since April 2021.
- **FriendsFM**
 - Designed an app for sharing a user's most recently listened song with friends at a specific time.
 - Developed using CapacitorJS to drop Svelte frontend code into a native mobile experience.
 - Used Firebase's serverless functions, firestore database, authentication, and push notification services to provide support for iOS, Android and the Web.
- **Bikepack Trip Explorer**
 - Created a website (SvelteKit) for viewing completed bikepacking routes.
 - Combined GPX, photos from a self hosted Immich instance, and satellite baselayers into a comprehensive GIS map that tells a story of my personal trips.

ADDITIONAL EXPERIENCE AND AWARDS

- **Second Place, Congressional App Competition (2020):** Awarded 2nd place for the Congressional App Competition in the 2nd Congressional District of Hawaii for Media Manager, a desktop app for organizing media libraries.

SKILLS AND TOOLS

- **Skills:** Javascript; Typescript; HTML; CSS; Vue.js; Node.js; Swift; MongoDB; Express; Responsive Web Design; Objective C; CI/CD; React; Svelte; C; C++; Tailwind; SQL; Postgres; Docker; Go; R; Python; Rust;
- **Tools:** Git; Google Analytics; Digital Ocean; Amazon Web Services; Adobe XD; Heroku; QGIS; XCode; Supabase; Firebase; Vim; Google Cloud Platform; PostHog; Jupyter Notebooks; Claude Code; Altair