Alex Montague

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Experience

Shopify | *Senior Developer* Toronto, ON | May 2021 – Present

- Built the **Shopify AI Toolkit**: **MCP** and **Agent Skills** giving coding agents Shopify docs and validators.
- Built **declarative webhooks**: apps declare subscriptions in TOML, reaching **96% adoption** among new apps.
- Built **app dev sessions** in Shopify CLI with live module updates, and made the CLI **agent-ready**.
- Major contributor to the **app module platform** that versions and distributes app config to every shop.
- Led the overhaul of the ERB apps navigation on the Partners Platform.
- Led the Reactification and extensibility of components across the Partners Platform.

Web Developer Intern May 2020 – Aug 2020

- Built Partner-facing app management experiences with React, TypeScript, and Ruby on Rails.

Keys Token | *Lead Engineer* Remote | Nov 2021 – Present

- First engineer on the team; built multiple Dapps, landing pages, and APIs from the ground up.
- Generated **$10M+ USD** from the MetaMansions NFT mint event.
- Engineered Keys Token, Meta Mansions, and Project Mercury with proprietary smart contracts, authentication systems, and Web2 to Web3 integrations.

Taplytics | *Full Stack Developer Intern* Toronto, ON | Jan 2020 – Apr 2020

- Built customer journey features on the delivery team using React/Redux and Node/Express.
- Worked across MongoDB, PostgreSQL, Kafka, and Redis for data storage and transport.

League | *Full Stack Developer Intern* Toronto, ON | May 2019 – Aug 2019

- Wrote Go for the microservices architecture and React/Redux for internal and external admin web apps.
- Engineered Workato integration recipes to reduce manual labour and onboard employers with **1000+ employees**.
- Built an internal tool adding version control and code review to recipes, drastically reducing recipe errors.
- Optimized Webpack build and serve time by **15%** using code splitting.

Coinsquare | *Student Web Developer* Toronto, ON | May 2018 – Dec 2018

- Shipped full-stack code to Coinsquare.com with React/Redux, Node/Express, and MySQL/PostgreSQL.
- 5th overall contributor to the front-end repository, with ~15,000 lines added and ~20,000 removed.
- Helped build out and launch Coinsquare in Europe as part of the launch team.

Projects

ToolKit | *Ruby on Rails, React, TypeScript, React Native, Python, LangGraph, OpenAI* toolkit.build

- Built a contractor SaaS spanning AI-built websites, job-site photos, and credential tracking on web, iOS, and Android.
- Built LangGraph agents (FastAPI, OpenAI) that onboard a business, then create and edit its website through chat.
- Shipped React on Rails SSR and Expo apps sharing Zod schemas and design tokens, plus WorkOS and Stripe.

Vowd | *Ruby on Rails, Hotwire, Tailwind CSS, SQLite, OpenAI, Stripe* vowd.site

- Built a multi-tenant wedding platform with per-couple subdomains or custom domains, six themes, and a live editor.
- Added OpenAI guest-list import from pasted text or photos, plus personalized envelope-opening video generation.
- Shipped Stripe billing with trials, idempotent email reminder pipelines, and an ops console for support.

Agent Harness | *TypeScript, Pi, Node.js, Bash* Oct 2026 – Present

- Built Pi extensions and 30+ agent skills for retries, approvals, and long-running sessions, shared with Claude Code.

api.alexmontague.ca | *Go, SQLite, nginx* api.alexmontague.ca

- Self-hosted Go API powering alexmontague.ca, a budgeting app, and an NHL shot prediction model.

Education

University of Guelph | *Bachelor of Computing with Distinction, Software Engineering (Co-op)* Sep 2016 – Apr 2021

- Maintained a 4.0 GPA in my last four years.
- Founded BookBuy.ca and participated in and led multiple hackathons.

Skills

Languages: TypeScript, JavaScript, Go, Ruby, Python, SQL, C, Java
AI: LangGraph, OpenAI API, FastAPI, MCP, Pi, Agent skills, TLA+
Frameworks: React, React Native, Ruby on Rails, Hotwire, Node.js, GraphQL, Tailwind CSS
Data & Infrastructure: PostgreSQL, MySQL, MongoDB, SQLite, Redis, Kafka, Docker, Cloudflare R2, nginx
Tooling: Git, Webpack, Jest, Storybook