

I am a Canadian software developer with 8 years of startup/founder experience. My current stack is TypeScript, Node, React, NextJS, Tailwind, Postgres, AWS, and Vercel, with a long tail of experience in other languages, tools and areas of specialty. I equally value soft skills and strive to contribute meaningfully to my team's culture.

Experience

Vercel AI SDK • TypeScript
• NextJS • Vercel

ALR CPA • Software Engineer / Head of Tech

July 2023 - Now • Toronto (Remote)

Built and launched customer success web platform. Updated hiring process, policies and remote employee support, making 4 successful new hires. Improved SEO, content marketing and launched new analytics, drastically improving web vitals/lighthouse scores. Improved SOPs and infrastructure towards SOC 2 audit. Implemented CRM, sales process and content marketing strategy with AI. trained team on AI tools.

TypeScript • React •
Electron • Go • IPFS •
CRDT • gRPC

Anytype • Senior Software Engineer

October 2022 - May 2023 (laid off) • Berlin (Remote)

P2P notion-like platform with >200k users and >4k stars on github. Helped push through to public launch, developing the desktop app and browser extension. Lead developer for the widgets and onboarding systems. Supported end users on the forum, fixed bugs and promoted code quality improvements.

Career Break ➡

converted a school bus into
a tiny home, skied all over
North America and got
certified as a wilderness
first responder.

Python • Typescript • React
• Node • AWS • Lambda •
Docker • CloudFormation

Qualio • Full-Stack/Devops Engineer

September 2020 - August 2021 • San Francisco (Remote)

QA platform for Life Sciences/Pharma. Developed customer migration and onboarding system, eliminating manual labor required from the engineering team. Transitioned spaghetti monolith to our microservice architecture, implementing a deployment pipeline to achieve high availability and scaling OKRs.

TypeScript • Node • React
• Native • PostGres • Redis
• AWS

Huckleberry AI • Co-founder/CTO (seed stage)

January 2019 - September 2020 • Waterloo (Hybrid)

Raised ~150k, taking our 2 products from idea to paying customers. Products include ping.buzz (b2b SaaS) + huckleberry.app and web extension (b2c). Managed a small dev team + 12 co-op students from Waterloo. Designed our serverless, hexagonal, functional DDD architecture and built our data pipeline to process market feed data.

Python • TypeScript •
Angular • React • Golang •
C# • Netlify • Vercel • AWS
• Mongo • PostGres • Ruby
• RabbitMQ • NextJS •
Kubernetes • GraphQL

RCO Ventures • Software Developer

April 2017 - September 2020 • Waterloo (Remote)

Started a contracting firm with over 30+ startup clients. Projects included web/mobile applications, data processing, devops and digital transformation. Projects include AI powered healthcare billing app, time tracking software, a home services app, bid management platform, gig economy platform, data-analysis for a class-action lawsuit and aggregated datasets as a service.

Emrys Analytics • Director of Analytics

September 2016 - March 2017 • Waterloo (Hybrid)

Python • TypeScript • Rust
• Electron • Postgres •
AWS

Developed risk models and underwriting software to insure healthcare facilities against cyber risk in the US. Built an underwriting engine written in Rust/Python. Built an ETL pipeline to aggregate and clean datasets. Applied models such as k-means clustering and monte carlo. Co-authored paper on autonomous vehicle insurance data for Ford.

Diebold Nixdorf • Software Architecture R&D Internship

May 2016 - August 2016 • London

C# • TypeScript • Angular •
Redis

Developed redis session authentication middleware for ATMs/Banking Machines. Built proof of concepts and conducted experiments to support decision-making with webRTC, websockets and http/2.

DELTAfi (Δfi) • Founder/Hardware Designer

May 2013 - May 2016 • London

C • KiCAD • Python

Designed and built various synthesizers and other embedded projects from PCB prototyping to small run production.

Education

Western University / Comp. Sci. and Mathematics B.Sc.

2014 - 2016, Canada