

Ryan Shortt

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EXPERIENCE

Senior Software Developer, Arctic Wolf— (Dec 2023 - Present)

- Promoted from Software Developer (May 2024) and now acting as manager for a team of 4 engineers.
- Act as technical lead for the team, owning architecture, code reviews, and technical team onboarding.
- Lead cross-team planning, manage interdependencies, and prioritize work across multiple product domains.
- Designed and implemented scalable backend data-layer (Go, PostgreSQL, Redis) supporting over 10,000+ customers and 4M+ clients.
- Delivered critical customer-facing frontend features (React, Typescript) enabling clients to configure complex security controls and query high-volume datasets at scale.

Full Stack Software Engineer, Wish — (July 2022 - Sept 2023)

- Worked on a team of 3 engineers (web, iOS, Android), acting as the sole backend & web contributor.
- Designed and implemented unified backend systems ([Python](#) / [MongoDB](#)) servicing all clients.
- Spearheaded the development of Wish's influencer program, scaling it to 1000+ creators and 2M+ monthly views. Designed complex infrastructure for performance tracking, attribution, influencer payouts, fraud mitigation, user lifecycle automation, and internal admin tooling.
- Architected Wish's user referral program, building fraud-resistant infrastructure, real-time analytics, and working cross-functionally with product, data science, and risk teams to ensure a successful launch. Ultimately driving over 50K new user signups in the first 6 weeks.
- As a dedicated member of the web client ([Typescript](#) / [React](#)) team, I volunteered for the web on-call and Git reviewer teams, leading code deployments and issue investigations.
- Served as the main backend liaison for our team's data scientist and mobile engineers, enabling seamless cross-platform development, and ensuring project data requirements were strategically planned from the start.
- Developed system health dashboards using [SQL](#), [Grafana](#), and [Prometheus](#), and designed structured logging to make critical events observable and actionable for both engineers and stakeholders.

Software Developer, Orium — (May 2021 - July 2022)

- Built customizable headless e-commerce sites using [TypeScript](#), [React](#), and [Next.js](#), integrating services like [Stripe](#), [Contentful](#), [ElasticPath](#), and [Algolia](#) to enable flexible merchant experiences.
- Contributed reusable components and context providers to the company's shared React component library, improving dev velocity across teams.

Automation Tools Developer, Co-Op Student, Ciena — (May 2019 - May 2020)

- Built automation tools in [Tcl](#) and [Unix](#) shell, including a system sanity tool that validated physical lab environments prior to testing. These tools significantly improved daily efficiency for the automation team.

PROJECTS

Receta: receta.vercel.app – [git repo](#)

- Receta is a recipe sharing app deployed on [Vercel](#), utilizing [NextJS](#) and a [Prisma/Postgres](#) backend. The front-end was implemented with [Typescript](#), [React](#), and custom [CSS](#) components.
- Integrated Google Lighthouse reports into the CI/CD pipeline, resulting in exceptional web vitals scores for performance, accessibility, best practices, SEO, and PWA.

Personal Website: www.ryanshortt.ca – [git repo](#)

- Created a website showcasing my previous projects and experience. The website was developed using [React](#), [NodeJS](#), and [UIKit](#), and deployed using [AWS](#).

SKILLS

Frontend: Typescript, Javascript, React, CSS, NodeJS, NextJS, Playwright, Jest, React Query, MUI.

Backend: Go, Python, PostgreSQL, Redis, MongoDB, AWS, OpenAPI, Prometheus, Grafana.

EDUCATION

McMaster University, Hamilton, Ontario – [Computer Engineering](#) (Year 3/4 [Dean's List Award](#), 2016-2021)