

Skills

Languages: Python, TypeScript, JavaScript, Go, C++, C, Kotlin, Java, Bash, SQL

Technologies: Next.js, React Native, Svelte, Angular, GraphQL, MongoDB, Postgres, Node, Git, AWS, GCP, Docker

Certificates: AWS Certified Developer, AWS Certified Cloud Practitioner

Employment

Full Stack Developer Toronto, ON

Reimagine Health

Sep 2024 - Present

- o Engineered an end-to-end patient scheduling platform using Next.js, ShadCN, and Tailwind with automated SMS and email notifications sent via OpenPhone and Resend to improve patient engagement, reduce no-shows, and increase on-time payments.
- Integrated Stripe payment processing to streamline the appointment-to-checkout flow, generating over \$200K in revenue.
- Leveraged Python and Typescript to develop a suite of automated scripts to aggregate from sources (MongoDB, patient forms, Stripe) and generate valuable data insights such as invoices, graphs, and official reports.
- O Developed a WordPress-based medical blog with SSR and GraphQL, boosting SEO performance with Next SEO to increase online visibility and attract new patients for the weight-loss and menopausal programs.

Toronto, ON Software Developer

Nuralogix

Jan 2024 - Apr 2024

- Built a Design System to standardize and streamline frontend development, ensuring a consistent user experience.
- Published a React component library built with Storybook and StyleX as npm packages, enhancing component reusability.
- Delivered 90% coverage in unit and E2E tests using Vitest and Cypress to ensure reliable feature releases and maintainability.

Product Developer Grimsby, ON

Proceve

May 2023 - Sep 2023

- Collaborated with UI/UX designers to develop frontend features with SvelteKit and Figma for a Project Management Application.
- Launched production-ready Docker containers with multi-stage builds, reducing final image sizes before deployment to AWS ECS clusters.
- Utilized Go's Gin framework to develop RESTful API endpoints and expose services for processing project artifacts stored on PostgreSQL.

Software Engineer

Toronto, ON

Super.com

Sep 2022 - Dec 2022 O Developed features for an E-commerce storefront using the Next.js framework with TypeScript, MUI, and BigCommerce API.

- o Enhanced product page load times by 15-20% through a hybrid architecture, leveraging REST to generate static content and GraphQL to handle dynamic queries.
- Spearheaded E2E testing automation with WebdriverIO, following TDD practices to overhaul manual tests, reducing regression testing time by 70% and leveraging GraphQL to pull staging data for realistic test cases.

Projects_

DebateModAI: (GitHub, Demo)

Dec 2024 - Jan 2025

- Developed an Al-driven debate platform with multiway conferencing, Al guided feedback, and learning content management.
- Produced a pipelined agent (Deepgram STT, OpenAI LLM, GCP TTS) with LiveKit SDK for human-like real-time responses.
- o Integrated Firebase with Clerk to create a secure authentication flow with route validations, JWT verification, and least privilege access database rules, resulting in a streamlined login/signup process and enhanced protection of user data.

A-Maze-ing: (GitHub, Demo)

Dec 2023 - Feb 2024

- Built a 3D maze game where players can compete for points on a public leaderboard using Svelte, SkeletonUI, and Go.
- o Explored maze generation using various MST algorithms and developed a bidirectional concurrent solver with goroutine worker pools and channels.
- Designed a PostgreSQL database schema using Entity-Relationship Diagrams (ERDs), modelling essential game requirements.

Computer Networks:

May 2024 - Aug 2024

- Implemented a RDT protocol over UDP, mimicking TCP to ensure accurate data transmission across unreliable networks.
- Configured network topologies on a virtual SDN using Mininet's Python API and the OpenFlow protocol.

Education

University of Waterloo

2020 - 2025

Bachelor of Computer Science

Coursework: Algorithms, Distributed Systems, Computer Networks, Database Systems, Applied Cryptography, Computer Security