

# Alex Li

Fullstack Developer

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## SKILLS

- **Languages:** Python, TypeScript, JavaScript, Go, C++, C, Kotlin, Java, Bash
- **Technologies:** Next.js, SvelteKit, React Native, Angular, AWS, GCP, Docker, CI / CD, GraphQL, MongoDB, PostgreSQL, Node
- **Certificates:** AWS Certified Developer, AWS Cloud Certified Practitioner

## EDUCATION

### Bachelor of Computer Science

2020 - 2025 | University of Waterloo

## WORK EXPERIENCES

### Reimagine Health, Full Stack Developer

Sep 2024 – Present | Toronto

- Developed a health resource management system on **Next.js** leveraging **Stripe**, **Cal.com**, and patient intake forms — introducing automated features that **reduced over 15 hours** of manual administrative work per week for practitioners.
- Implemented **Stripe's Embedded Checkout** flow with **Firebase** authentication for secure checkouts, streamlining user creation in **MongoDB** and generating more than **\$60,000 in gross sales volume** since its release.
- Created a data pipeline in **Python** to sanitize patient intake forms by filtering out Protected Health Information, then used **OpenAI's API** to generate doctor's notes.
- Replaced **Zapier's** email and SMS integration with custom solution that uses a cron job scheduler to batch send notifications through **OpenPhone** and **Resend**, providing a more granular control over features integration and simplified data flow.

### Nuralogix, Software Developer

Jan 2024 – Apr 2024 | Toronto

- Designed a **UI Design System** that standardized design patterns and documentation across core applications.
- Created a **React** component library with Storybook, Vite, StyleX, and Rollup, deploying it as npm packages.
- Conducted **Unit** and **E2E testing** on all library components using Vitest and Puppeteer to ensure reliability.

### Proceve, Software Developer

May 2023 – Sep 2023 | Grimsby

- Developed **25+** reusable components for a project management application on a **SvelteKit** framework (e.g., user-profile cards, kanban board, drawers) and integrated them into new page views.
- Implemented **REST API** endpoints and middleware in **Go's Gin framework** to manage project artifacts, schedule notifications, and integrate with a **PostgreSQL database**.

### Super.com, Software Engineering Intern

Sep 2022 – Dec 2022 | Toronto

- Developed features for an E-commerce storefront using the **Next.js** framework with **TypeScript**, **MUI**, and **BigCommerce API**.
- Enhanced product page load times by **15–20%** through a hybrid architecture, utilizing **REST** for the initial fetch of static content and **GraphQL** for complex dynamic queries.
- Implemented a new **E2E** testing solution with **WebdriverIO**, leveraging **GraphQL** queries to develop realistic tests that simulate production-like scenarios and automate over **90%** of manual tests.

### blueRover, Product Developer

Jan 2022 – Apr 2022 | Cambridge

- Leveraged **RabbitMQ** as a MQTT broker to process messages generated by IoT devices and subscribed to RabbitMQ from **React** hooks using MQTT.js to generate alerts in near real-time.
- Presented aesthetic visualizations of IoT sensor data on a web application using **React**, **MUI**, and **TailwindCSS**.

## PROJECTS 🐙

### NameThatFish

🐙 📺 React Native, Flask, Tensorflow, Python, TS

- Built a mobile application with **React Native**, **Flask**, and **Tensorflow** to classify fish species by visual features.
- Developed a custom **Python scraper** for google images and applied data augmentation techniques to increase the training data.

### A-Maze-ing

🔗 🐙 AWS, Terraform, CircleCI, Docker, Svelte, Threlte, Postgres, Auth0, Gorm, Gin, Go, TS

- Created a web-based 3D maze game that allows authenticated players to compete and share their scores on a public leaderboard.
- Adapted interesting features like concurrent solver with bidirectional search using Go channels and goroutines.
- Configured a **CI / CD** pipeline with **CircleCI** and **Github** actions to streamline feature deployments.