

Alex Li

Fullstack Developer

 a336li@uwaterloo.ca

 <https://1liale.github.io>

 <https://github.com/1liale>

 <https://www.linkedin.com/in/alexli2002>

SKILLS

- **Languages:** Python, TypeScript, JavaScript, Go, C++, C, Kotlin, Java, Bash
- **Technologies:** Next, SvelteKit, React Native, Angular, AWS, Docker, IaC, CI / CD, GraphQL, MongoDB, Postgres, Node
- **Certificates:** AWS Certified Developer (Aug 2023), AWS Cloud Certified Practitioner (Jun 2023)

EDUCATION

Bachelor of Computer Science

2020 - 2025 | University of Waterloo

WORK EXPERIENCES

Lindy Ventures, Full Stack Developer

Sep 2024 – Present | Toronto

- Crafted landing pages for a telehealth app in Next.js optimized for user experience, incorporating Google AdSense to result in a 15% increase in traffic and a 10% boost in ad revenue.
- Developed an internal dashboard with practitioner scheduling, chat system with drag-and-drop attachments, automated SMS and email notifications using Resend + Twilio, and generated invoices and bookings CSVs by integrating data from Cal.com and Stripe.
- Implemented Stripe webhook and Firebase authentication for secure guest checkout, streamlining user creation in MongoDB, increasing conversion rates by 25%.
- Developed a data pipeline to sanitize patient intake data by filtering out Protected Health Information (PHI) before leveraging OpenAI's API for prompt engineering, effectively mapping intake data to a structured medical note template.

Nuralogix, Full Stack Developer

Jan 2024 – Apr 2024 | Toronto

- Established a comprehensive UI Design System encompassing research, resource planning, architecture design, implementation, and user feedback to standardize design choices and documentation across internal applications.
- Created a React component library with TypeScript, Storybook, Vite, StyleX, and RollUp to deploy components as npm packages.

Proceve, Software Developer

May 2023 – Sep 2023 | Grimsby

- Developed 25+ reusable and customizable components for a Project Management Console application in Svelte and incorporated them into new page views following SvelteKit's filesystem-based routing (i.e User-Profile Card, Kanban Board, Drawers).
- Implemented new RESTful API endpoints and middleware functions in Gin, modified controllers to perform CRUD actions on MongoDB collections with mongo-driver (i.e store and retrieve ticket-related tasks).

Super.com, Software Engineering Intern

Sep 2022 – Dec 2022 | Toronto

- Developed features for an E-commerce storefront using the Next framework with TypeScript, MUI, and BigCommerce API.
- Strategically combined REST and GraphQL methods to optimize network requests on initial loading of products page and additional dynamic search and filter requests, leading to reduced response time and more efficient data fetching.
- Introduced a new E2E solution with WebdriverIO that automates testing using GraphQL queries to produce realistic, production-like tests, replacing over 40% of manually written E2E test cases.

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

- Developed a 3D maze game on the web using Go for backend and API, Svelte frontend, and Terraform for configuring Cloud IaC.
- Provided integral services like concurrent maze solver with Goroutines and performed CRUD on Postgres with Gorm.
- Configured Jenkins Pipeline on EC2 instances with load balancing in a master-workers setup using Packer to bake the AMIs.