

Ryan Yee

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Work Experience

Full Stack Developer, *Dynamic Needs Analysis*

NOV 2025 - Present

- Contributed to a full-stack SaaS financial planning platform using React, TypeScript, Express.js, and Azure PostgreSQL, spanning **30+ REST API endpoints** and **500+ UI components** used by financial advisors.
- Collaborated on **Helix**, an AI conversational assistant leveraging **OpenAI GPT-4** and **Azure AI Search (RAG)** for semantic retrieval, streaming responses, document ingestion (vector embeddings), and context-aware conversations.
- Implemented internationalization (i18n) across 3 languages (EN/FR/ES) with 31 translation namespaces, enabling type-safe i18next usage via custom TypeScript definitions.
- Helped develop AI-driven report generation, transforming structured client data into advisor-ready documents via OpenAI workflows.
- Contributed to a shared design system with **Tailwind CSS** and **Radix UI**, including dark/light theming and standardized patterns across **60+ components**.
- Supported security hardening with JWT auth middleware, route protection, Zod validation, and remediation aligned to common OWASP risk areas.
- Owned the end-to-end design and launch of the company marketing website in Webflow CMS, shipping pricing and lead-capture pages with conversion-focused UX/UI.

Software Developer, *Atria Community*

MAY 2024 – NOV 2025

- Contributed to both Frontend and Backend of Townhall, a full-stack platform connecting users to local initiatives.
- Built 15+ RESTful APIs with Python/Django for authentication, profiles, posts, comments, chat, and media uploads.
- Developed real-time messaging with Django Channels, WebSockets, and Redis.
- Implemented secure CSRF-based authentication, improving session reliability across frontend and backend.
- Designed a scalable backend using a DAO/service/viewset architecture, improving maintainability and performance.
- Delivered responsive frontend UIs in React/Next.js + SCSS, including signup, onboarding, and post creation flows.
- Created ERDs in Lucidchart to model data relationships and align with business requirements.
- Authored API documentation with Postman and Notion, streamlining backend integration and onboarding.

Code Instructor, *Code Ninjas*

SEP 2024 – Present

- Mentored students aged 7-14 in block coding, JavaScript, and C#/Unity, guiding them through interactive coding lessons and game development projects.
- Fostered a positive and engaging learning environment while providing feedback and progress updates to parents.

Web Developer, *Sniff & Bark*

FEB 2024 – MAY 2024

- Achieved a 50% Increase in website loading speed to enhance overall performance, utilizing tools such as Google PageSpeed Insights and GTmetrix.
- Resolved pre-consent cookie firing issues by optimizing and customizing third-party scripts to align with GDPR requirements, strengthening user privacy and compliance for the company's website.

Skills

Languages : TypeScript, JavaScript, Python, C#/Unity, HTML/CSS

Frameworks: React.js, Next.js, Django, Tailwind, Node.js, Express.js

Databases: Azure PostgreSQL, SQLite, MySQL, MongoDB, Redis

Developer Tools: Claude, Cursor, VSCode, Github, Postman, Figma

Education

BrainStation – Diploma in Software Development

2023

University of British Columbia - Associate's Degree in Electrical Engineering

2016