

Alex Huang

Full Stack Software Engineer

Contact

Canada, BC, Vancouver

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Education

University of Victoria

Bachelor of Software Engineering

Graduated 2024

Projects

Futures / Crypto Trading Systems

February 2021 - Present

Portfolio / Blog Website

May 2024 - Present

Founding Software Lead

UVic Environmental Engineering Club

September 2021 - December 2022

Skills

Languages:

Typescript/Javascript, Python, C#,
GoLang, Kotlin, SwiftUI, Godot

Frameworks:

React, Next.JS, Tailwind, GraphQL,
REST APIs, React Native, SvelteKit,
NodeJS, SocketIO, Websockets,
FastAPI, Jest, Pytest

Hosting Services:

AWS, EC2, RDS, GCP, Azure, Vercel,
Cloudflare, Supabase

Databases:

PostgreSQL, MongoDB, Redis, SQLite,
MariaDB, CosmosDB

Tooling:

Docker, EC2, Git, Stripe, CDNs, Nginx,
ESLint, Visual Studio, Visual Studio
Code, NeoVim

Technical Experience:

System Architecture, Performance,
Scalable Infrastructure, Technical
Design, Server Side Rendering

Professional Experience

Software Engineer - Microsoft

September 2024 - Present

- AI Copilot Backend Services (C#):
 - Shipped public preview features for Copilot in Teams, including automated channel reports and collaborative agent experiences.
 - Built cross-service integrations (client, Microsoft services, backend), working with multiple teams to deliver at scale.
 - Contributed production-ready code within first month of onboarding, accelerating feature delivery.
- Teams Client - Authentication (Typescript)
 - Implemented cross-tenant security features preventing XSS attacks, safeguarding millions of Teams users.
 - Delivered on strict security deadlines and resolved high-severity on-call incidents across multiple teams.

Founding Full Stack Engineer - Lobby Technologies Inc.

December 2021 - May 2024

- Engineered a GDPR-compliant AI chat platform that enhanced user productivity tenfold by integrating data from web, PDFs, Google Docs, and GitHub, utilizing Typescript, SvelteKit, Python, and PostgreSQL.
- Developed a VSCode extension powered by AI that boosted developer productivity by 25% by offering code snippets via the VSCode API, crafted with React and Express.
- Created a cryptocurrency-reward survey platform with a complex and robust system architecture, developed with NextJS, MongoDB, and Express.
- Launched a Wikipedia-style platform with crypto gating that created community-driven content hubs, using Next.JS, TypeScript, GraphQL, Express, and PostgreSQL.
- Participated in thrice-weekly Agile sprints, contributing to a 75% improvement in project completion rates and enhanced team collaboration.

Full Stack iOS/Android App Developer (Co-op) - Ergonomyx

December 2020 - August 2021

- Spearheaded the development of a Kotlin Android application for a Bluetooth-controlled sit-stand desk, enhancing product usage by 200% through Native Android APIs, including BluetoothGatt service.
- Integrated Siri into an iOS application, improving accessibility and user engagement with SwiftUI, CoreData, and CoreBluetooth.

Software Testing Engineer (Co-op) - Rooof

January 2020 - August 2020

- Developed a custom Selenium regression testing framework for Chrome extension products, reducing bug detection time by 50% and increasing test coverage by 70% using JavaScript, Node, and Mocha.
- Conducted comprehensive API and application testing for Django and JavaScript Chrome extension products, ensuring robust feature performance.