

# Ivan Chan

Full-Stack Engineer | React, TypeScript, Node.js | AWS Serverless | SQL | SaaS

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## STATEMENT

Full-Stack Engineer with end-to-end ownership of production SaaS platforms, specialising in React, TypeScript, Node.js and AWS serverless architecture. Proven track record of delivering measurable commercial impact, including 5% contribution to total financial requirements, 20% increase in deal conversion, and 40% uplift in monthly commissions through scalable, production-grade systems.

Currently the sole engineer behind [FinanceGuru](#), a business-loan comparison SaaS, leading system architecture, cloud infrastructure, and full-stack delivery within a regulated financial services environment. Previously delivered high-impact frontend systems for enterprise clients and founded [VibeTeach](#), an AI-powered SaaS that automates teaching material creation and saves educators up to 10 hours per week. Currently developing a React Native mobile application. I hold full UK working rights with no sponsorship required.

## TECHNICAL SKILLS

Language:	JavaScript (ES6+), TypeScript, SQL, Python
Frontend:	React, Next.js, React Query, Zustand, Redux, Jest, AngularJS, TailwindCSS, Bootstrap, Material UI
Backend:	Node.js, Express.js, REST APIs, Supabase, Firebase, MongoDB, Django
Cloud & APIs	AWS(S3, Redshift, Lambda, EC2, SNS), Google Cloud, Stripe, OpenAI API
Tools:	Git, GitHub, GitLab, CI/CD, Postman, Vite, Gulp, Jira, Slack, Charles Proxy
Additional:	React Native, Expo, Zoho CRM, Sanity CMS, Electron, FFmpeg, Socket.IO, Passport.js, Three.js, Gridstack

## WORK EXPERIENCE

**Full Stack Developer** | Portman Finance Group | Northampton | Jul 2024 – Present

*Tech: TypeScript, React, Node.js, AWS (Lambda, S3, Redshift), Zoho, Sanity CMS, SQL, Zustand, TailwindCSS*

- Led technical decision-making for [FinanceGuru](#), a production business-loan comparison SaaS, owning system architecture, full-stack development, cloud infrastructure, and deployment as the sole engineer, contributing 5% of total financial requirements within its initial rollout period.
- Reduced underwriting response times by 50% by designing and implementing a production-grade, serverless AWS data pipeline (Lambda, S3, Redshift) to ingest and process Creditsafe data, integrated directly with Zoho CRM.
- Increased deal conversion by 20% and monthly commissions by 40% by building and maintaining 6 custom Zoho CRM widgets and automations, streamlining sales and underwriting workflows and reducing manual processing.

**Frontend Developer** | Evolok | London | Dec 2022 – Jul 2024

*Tech: Javascript, AngularJS, Bootstrap, Java, Git, Gulp, Jira, Slack, Gridstack, Charles*

- Increased user engagement by 30% by delivering reusable, modular frontend features, including social authentication, product selection templates, and dynamic address layouts across multiple client platforms.
- Reduced ongoing engineering effort by designing and building a drag-and-drop, multi-column dashboard, enabling clients to configure and manage widgets without developer involvement.
- Improved platform interaction by 25% by collaborating across multiple client projects to deliver consistent, performant, and accessible UIs, incorporating client feedback and performance optimisation best practices.

**Frontend Developer | Krystal Institute | Hong Kong | Jul 2022 – Aug 2022**

*Tech: TypeScript, React, Redux, Jest, Node.js, Express.js, MongoDB, TailwindCSS, Python, Django, GitHub*

- Improved platform usability and stability by redesigning key areas of the [Krystal Education Platform](#) and resolving a critical React Router navigation issue, restoring reliable user flows.
- Enhanced multimedia delivery and accessibility by building and integrating a custom web video player supporting multiple audio tracks, improving content flexibility for educational use cases.
- Contributed to full-stack feature development across multiple platforms using React, Node.js, MongoDB, and Django, collaborating within a cross-functional engineering team.

## PROJECTS

### **Founder & Full Stack Engineer – VibeTeach**

*Tech: TypeScript, React, Zustand, Jest, TailwindCSS, Node.js, Firebase, OpenAI API, Stripe*

- Built and launched [VibeTeach](#), an AI-powered SaaS platform that generates complete teaching materials (lesson plans, slides, worksheets, quizzes) in a single workflow, saving educators up to 10 hours per week.
- Owned end-to-end system design and implementation, delivering a React with TailwindCSS frontend, a Node.js backend, OpenAI-driven content generation, and Stripe-based subscription billing, including authentication, usage controls, and production readiness.

## EDUCATION

**Certificate in Frontend Web Developer**

City University of Hong Kong

**Postgraduate Diploma in Education (Liberal Studies, Chinese History)**

The Chinese University of Hong Kong

**Bachelor of Social Science (Hons), Government and Public Administration**

The Chinese University of Hong Kong

**Hong Kong Diploma of Secondary Education**

5\*: Chinese Language, Mathematics, Chemistry; 5: Biology, Liberal Studies

## LANGUAGES AND SKILLS

Language: Native Cantonese, Fluent English, Fluent Mandarin

Additional: Full UK Driving License(Own Vehicle)

