Ivan Chan

Senior Full-Stack Engineer | Scalable SaaS & AI Systems | React, Next.js, TypeScript | AWS Serverless

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STATEMENT

Senior Full-Stack Engineer with end-to-end ownership of production SaaS platforms, specialising in React, TypeScript, and AWS serverless architecture across frontend, backend API development, and cloud-native systems. Proven track record of delivering commercial impact, including a **5% contribution to total financial requirements**, a **20% increase in deal conversion**, and a **40% uplift in monthly commissions** through scalable, production-grade systems.

Led architecture and end-to-end delivery of FinanceGuru, a production business-loan comparison SaaS within a regulated financial services environment, owning system design, AWS cloud infrastructure, and full-stack implementation. 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. Also building a React Native mobile application. I hold full UK working rights with no sponsorship required.

TECHNICAL SKILLS

Languages:	JavaScript (ES6+), TypeScript, SQL, Python
Frontend:	React, Next.js, React Query, Zustand, Redux, Jest, AngularJS, TailwindCSS, MUI
Backend:	Node.js, Express.js, FastAPI, Django
Databases:	PostgreSQL, MongoDB, Supabase, Firebase
Cloud:	AWS (S3, Redshift, Lambda, EC2, SNS), Google Cloud
APIs:	RESTful APIs, GraphQL, tRPC, Stripe, OpenAI API
Tools:	Git, GitHub, GitLab, CI/CD, Postman, Vite, Gulp, Jira, Slack
Other:	React Native, Expo, Zoho CRM, Sanity CMS, Electron, FFmpeg, Socket.IO

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 and end-to-end delivery of FinanceGuru, a production business-loan comparison SaaS within a regulated financial services environment, owning system architecture, full-stack development, and AWS cloud infrastructure while coordinating cross-functional stakeholders in an Agile setting. Contributed **5%** of total financial requirements during initial rollout.
- Reduced underwriting response times by **50%** by designing and implementing a production-grade, serverless AWS data pipeline (S3, Redshift, Lambda) 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 features, including social authentication, product selection templates and dynamic address layouts across multiple clients.
- 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-ready deployment and subscription billing.

EDUCATION

Certificate in Frontend Web Developer

City University of Hong Kong | QS World University Ranking #63

Postgraduate Diploma in Education (Liberal Studies, Chinese History)

The Chinese University of Hong Kong | QS World University Ranking #32

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

The Chinese University of Hong Kong | QS World University Ranking #32

LANGUAGES AND SKILLS

Languages: Cantonese (Native), English (Fluent), Mandarin (Fluent)

Additional: Full UK Driving License (Own Vehicle)