

Kao Tzu-Yuan

Software Engineer



+886916583639



asdll6618@gmail.com



<https://github.com/Yuanuanuan>



<https://www.linkedin.com/in/tzuyuan-cao-130770280/>

SUMMARY

Software Engineer with **nearly 3** years of enterprise experience owning production web apps end to end, covering architecture, API integration, and cross-functional delivery with product, design, and backend teams. Now sets frontend engineering standards and is growing into cloud and infrastructure (AWS certified), and regularly steps beyond the frontend to unblock delivery.

PROFESSIONAL EXPERIENCE

Stockfeel/Starcofeel

Taipei, Taiwan

Senior Software Engineer

Jan 2026 – Present

- **Frontend Standards:** Defined team-wide coding standards and led tech stack decisions; built VSCode-based local dev environment setup, cutting onboarding time from **1+ day to under an hour**.
- **TypeScript Migration:** Leading an incremental, codebase-wide JavaScript to TypeScript migration, prioritizing type coverage on shared modules while sustaining feature velocity; achieved **98.4%** type coverage (strict) across a **42.9k**-identifier codebase.
- **AI Workflow:** Built an AI development pipeline with **4 agents** and **6 reusable skills**, orchestrated from a single skill through to an auto-generated PR, and vendored it into the repo for zero-setup team adoption.
- **Leadership & Infra Support:** Served as primary technical contact for **2** frontend engineers, unblocking implementation issues and reviewing architecture decisions. Extended support beyond frontend scope – diagnosing production issues via EC2/ECS log inspection and modifying Terraform-managed CloudFront CSP config to support a client's iframe-embedding requirement.
- **Code-Quality Gating:** Restored a frontend CI check so quality gates run on every PR, consolidated frontend and backend git hooks under a single manager, and now own the team's SonarQube instance, enforcing static analysis.

Software Engineer – Frontend

Mar 2025 – Jan 2026

- **Component Library:** Built a reusable component library of **20+** highly extensible, low-duplication components, increasing development efficiency by **30%** and ensuring UI consistency across products.
- **Testing:** Implemented Vitest unit test suites achieving **62%** coverage, reducing debugging time by **35%** through early regression detection.
- **Client Integration (SSO):** Built a token-based SSO solution enabling seamless CDP platform embedding across client systems without duplicate authentication.

Yessee

New Taipei, Taiwan

Frontend Engineer

Dec 2023 – Feb 2025

- **Module Development:** Solely delivered **3** core business modules (pre-order system, Store, product management) building **30+** pages and integrating **60+** RESTful APIs to handle product logic, promotion calculations, and inventory management.
- **Vue 3 Adoption:** Refactored Vue 2 components to Composition API during feature development, improving code organization and TypeScript compatibility while supporting teammates in resolving migration blockers.
- **Collaboration:** Worked within a **20+** person cross-functional team on a large-scale convenience store CMS as the frontend point of contact for technical alignment.

CERTIFICATES

AWS Certified Solutions Architect Associate (SAA-C03) – Jul 2026

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, HTML, CSS
- **Frontend:** Vue 3 (Composition API), Pinia, React, Next.js, Redux
- **UI & Styling:** Element Plus, Quasar, Ant Design, TailwindCSS, UnoCSS
- **Testing & Code Quality:** Vitest, SonarQube
- **DevOps & Tooling:** Docker, Git, GitHub Actions, CI/CD
- **Data & Visualization:** ECharts.js, Ag-Grid, Vue-Flow, FullCalendar
- **Backend & Cloud:** Node.js, Express.js, Django, AWS

EDUCATION

National Chin-Yi University of Technology

Sep 2018 – Jun 2022

Mechanical Engineering