

Yu-Cheng Hsu

Software Engineer · [React / Next.js / React Native / TypeScript](#)

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PROFILE

Software Engineer with 4+ years delivering production-grade web and mobile applications across healthcare and transportation tech. At Rybit, I work across billing systems, performance, and code quality to keep an e-bike fleet platform (2M+ riders, 40,000+ devices) reliable at scale. Previously shipped a telemedicine app generating NT\$8M+ in revenue. Comfortable owning features from architecture decisions through cross-functional delivery.

CORE SKILLS

Languages: TypeScript, JavaScript

State Mgmt: Redux Saga, RTK Query

Testing: React Testing Library, Vitest, Playwright

Frameworks: React.js, Next.js, React Native

Styling: SASS/CSS, Tailwind CSS, CSS Modules

Tools: Node.js, Docker, Git, RESTful APIs, ESLint

PROFESSIONAL EXPERIENCE

[Rybit](#) · [Frontend Engineer](#) · Jun 2024 – current · Taipei, Taiwan

Urban last-mile transportation, e-bike leasing & delivery platform

- ▶ **Built the B2C service-ticket system end-to-end (React + RTK Query)**, covering the full ticket-to-billing state flow — customers track e-bike asset status and outstanding fees, and the system generates the resulting repair charges.
- ▶ **Diagnosed and fixed a redundant API call in the B2B asset-management flow**, traced a UI-layer issue that was silently re-triggering server requests on every quota adjustment, eliminating unnecessary server load and UI lag.
- ▶ **Raised code quality** with strict TypeScript, automated testing (Vitest + Playwright), and a shared Storybook catalog.

[Cacdi](#) · [Frontend Engineer](#) · Jan 2022 – May 2024 · Taipei, Taiwan

Healthcare IT outsourcing — telemedicine and long-term care SaaS products

- ▶ **Architected and shipped patient-facing features for a telemedicine app** (appointment scheduling, video consultation via Jitsi SDK, BLE medical-device integration) with React Native + Redux Saga; product generated NT\$8M+ in revenue.
- ▶ **Built meal-management and pre-admission assessment modules for a long-term care CRM**, implementing cross-domain iframe authentication to remove manual data entry across systems.

[Delta Electronics, Inc.](#) · [Production Planner](#) · Aug 2019 – Aug 2021 · Taipei, Taiwan

Data Center Networking Switch Business Unit (ICT BU)

- ▶ **Led production and supply planning for Data Center and Networking Switch platforms** — balancing customer demand, factory capacity, and inventory to achieve on-time delivery targets for strategic ICT infrastructure accounts including tier-1 telecom.

SIDE PROJECT

[Cocoonco2](#) — A chemical cement company focused on carbon reduction.

- ▶ **Designed and shipped a production website for Cocoonco2**, built end-to-end with Next.js — including multi-language support and a contact/inquiry flow integrated via EmailJS.

EDUCATION

[CS50](#) · [HarvardX \(online\)](#) — [Introduction to Computer Science](#) Dec 2023

- ▶ Completed Harvard's introduction to computer science — algorithmic thinking, data structures, memory management in C, and web development with Python/Flask and SQL.

[Lidemy Bootcamp](#) · [Web Development Training](#) May 2021 – Dec 2021

- ▶ Built accessible, responsive layouts and a full-stack project with React.js, Express.js, and REST APIs.

[National Cheng Kung University](#) · [M.S. Transportation Management Science](#) Sep 2017 – Jun 2019 · Tainan, Taiwan

- ▶ Thesis: **Dynamic Routing Algorithm for Hazmat Transportation Problems** — accepted for publication in [Transportation Research Record \(TRB\)](#).