

Thien Dao

Front-end Engineer

Ho Chi Minh | +84 858 849 533 | email: thiendao1@gmail.com | ericdao.tech

SUMMARY

Front-end Engineer with 4.5+ years building React, Next.js, and TypeScript applications across startup and outsourcing environments. Approaching features from the user's side, I consistently propose improvements rather than just executing tasks. Recently drove the frontend of a multi-tenant SaaS eLearning MVP, owning the security and performance decisions and partnering closely with backend and product to ship what genuinely works for users.

TECHNICAL SKILLS

- **Front-end:** JavaScript & TypeScript, HTML5, CSS3, LESS, REST API, GraphQL
- **Frameworks / Libraries:** React, Next.js · TanStack Query, Zustand, Redux · React Hook Form, React Router, Zod · jQuery
- **Styling & UI:** TailwindCSS, Shadcn UI, Bootstrap
- **Rendering & Architecture:** SSR/CSR, RBAC, REST API integration, OOP, modular architecture
- **Integrations & Analytics:** Google Maps API, Google Analytics, Google Tag Manager, Mixpanel, video.js
- **CI-CD:** GitHub Actions, Vercel
- **Backend familiarity:** PHP, REST APIs, MySQL / PostgreSQL fundamentals
- **Practices:** Agile/Scrum, Git, Bitbucket, Jira, code review, technical mentoring & team leadership
- **English:** PTE Academic 51, Worked directly with Australian clients and cross-functional teams in English

EMPLOYMENT HISTORY

THE UMDENKEN

Senior Front-end Engineer

Dec 2025 – Present

U-Learn eLearning Platform

- Migrated the permission system from a rigid user-type model to a role-and-permission RBAC system with 9 custom roles, making access configurable instead of hardcoded. Zero permission bugs since launch in March 2026.
- Re-architected auth from localStorage tokens to httpOnly cookies JWT enforced in Next.js middleware. Eliminated the flash-then-redirect on protected pages and closed an XSS token-theft vector.
- Split rendering by route - server-rendered auth-gated and SEO pages, client-rendered the interactive learning pages with TanStack Query. Cached and deduped requests with per-data-type invalidation so most navigation hits cache, not the API.
- Ran a FE-first workflow on a 2-person team: built against mocked data and defined the API contract first, then backend implemented to it. Reduced rework by ~30%.

- Built the technical SEO foundation (metadata, structured data, semantic markup), reaching **88+ Ahrefs Site Health** and a **92 Lighthouse score**.
- Integrated Google Analytics and Tag Manager for marketing to track traffic sources, scroll depth, and CTA engagement — and to catch and fix broken or slow-firing events. Implemented within cookie-consent rules.
- Built a reusable AI Agent Operating System for Engineering and Marketing, reducing marketing research time by **50%** and standardizing **plan–review–implement–QA** workflows to improve code quality, development consistency, and control over AI-generated output.

TMA SOLUTIONS

Front-end Engineer & Team Leader

Nov 2021 – Dec 2025

Real Estate Websites (Australia)

- Delivered customer-facing features for an Australian client, with measured outcomes including a **20–30% average increase in listing enquiries**, up to **117% quarter-over-quarter enquiry growth**, and **20,000+ additional users/subscribers**.
- Developed workflow improvements that saved approximately **2.5 minutes per incoming support query**.
- Refactored and optimized a legacy web application, improving its Lighthouse Performance score from **30–50 to 80+**.
- Established a reusable **design-token system** that improved UI consistency, accelerated development, and reduced duplicated CSS.
- Partnered directly with customer stakeholders to clarify requirements and propose product and UX improvements, helping minimize requirement churn and development rework.
- Led front-end code and estimation reviews and facilitated sprint planning and daily stand-ups across internal and customer teams.

EDUCATION

Nong Lam University

2017 – 2022

Bachelor of Information Technology