

Thien Dao

Front-end Engineer

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SUMMARY

Front-end Engineer with 4+ 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
- **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
- **Languages:** Vietnamese (Native) · English - PTE Academic 51

EMPLOYMENT HISTORY

THE UMDENKEN

Sydney, Australia

Front-end Engineer

Dec 2025 – Present

U-Learn eLearning Platform

The Umdenken's in-house SaaS eLearning product: a multi-tenant platform built for enterprise organisations to manage learners, learning paths, courses, seat-based allocation, role-based permissions, analytics, and payment workflows.

- 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 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%.
- Standardized a plan-first workflow for AI-assisted coding (plan → review → implement) to keep full control over generated output.
- Built the technical SEO foundation (metadata, structured data, semantic markup), reaching 92+ 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.

TMA SOLUTIONS

Ho Chi Minh, Vietnam

Front-end Engineer & Team Leader

Nov 2021 – Dec 2025

Real Estate Websites (Australia)

A real estate project integrated with an online document hub, providing a seamless experience for property listing, discovery, and secure document management.

- Led a team of 8 (3 front-end, 3 backend, 2 QA), handling client coordination, estimates, task assignment, and delivery tracking.

- Migrated 2 real estate platforms and 1 sub-site from legacy HTML/jQuery to Next.js and TypeScript, improving UI consistency and maintainability.
- Onboarded and mentored a junior front-end developer, and established code review and refactoring practices that raised team code quality.
- Collaborated directly with the client and design team to turn mockups into working components.
- Integrated Google Maps API for interactive listings and Mixpanel for behavior tracking, enabling data-driven UI decisions.

EDUCATION

Nong Lam University

2017 – 2022

Bachelor of Information Technology