

# Tran Chau Hai

Fullstack Software Engineer

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Full-stack Software Engineer with 5+ years of expertise in Next.js, React, Node.js, and Web3 technologies. Built scalable applications, led development teams, and implemented AI automation, achieving 90% operational improvements. Proven track record in performance optimization and cross-functional collaboration across multiple industries, and fluent in English.

## TECHNICAL SKILLS

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- **Languages / Technologies:** Typescript | Next JS | ReactJS | Zustand | Redux | Tailwind | NodeJS | ExpressJS | MongoDB | PostgreSQL | Shopify | Liquid | Vite | AI SDK | LangChain | LangGraph | OpenRouter | Exa
- **Tools:** Cursor | Claude | Figma | Notion | Bitbucket | Jira | Clickup
- **Hosting:** Vercel | Netlify | Heroku
- **Toolings:** Webpack | Vite | Rspack | Rsdoctor | Turborepo

## WORK EXPERIENCES

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### Full-stack Developer | Lumberworks (05/2025 - Present)

- Developed and maintained the Web3 decentralized prediction market application, built on EVM
- Collaborated with product owners, designers, and developers to launch the Question Token for a prediction market platform, playing a key role in the ICO and presale process — a critical milestone for the project's go-to-market and fundraising strategy
- Engineered an end-to-end automation, transforming manual market creation and resolution into a fully AI-driven pipeline; reduced operational overhead by ~90% via advanced prompt orchestration and real-time sports/esports API integrations
- Designed and implemented an agentic analysis workflow that aggregates and synthesizes evidence from heterogeneous data sources across multiple domains (crypto, politics, finance, sports), generating structured, explainable analysis reports to support user decision-making and market resolution
- Technologies used: **NextJS | React Query | Tanstack Table | DrizzleORM | Postgresql | Wagmi | Viem | TypeChain | Solidity | Privy | Ponder GraphQL Indexer | Langchain | LangGraph | AI SDK | Exa | OpenRouter**

### Full-stack Software Engineer | Boost Commerce (12/2022 - 04/2025)

#### Project 1: Full-stack React/Node Admin Application

Key Responsibilities and Achievements:

- Developed and maintained the full-stack React/Node.js SaaS application, offers product discoverability and search engine enhancement for Shopify, and serves over 14k+ paid merchants and business owners.
- Focused on code splitting to reduce bundle sizes and replaced Webpack with Rspack, resulting in a **10x** improvement in build and compile times.
- Integrated features for administrative workflows, user management, and API-based integrations with Shopify services and Shopify's Polaris Design System
- Improved backend performance by ensuring scalable API design and optimizing database queries.
- Technologies used: **React | Redux | Webpack | Rspack | Rsdoctor | Node | Express | MongoDB | Shopify Polaris**

#### Project 2: Felib (Frontend-heavy)

Key Responsibilities and Achievements:

- Built a custom React theme library for the Shopify e-commerce platform with core UI components (ProductList, Pagination, Quick View, Cart, Instant Search)
- Reduced LCP, CLS, and TBT and improved overall pagespeed score by 50 through performance optimizations, lazy loading, code splitting, import on visibility/interaction, preloading assets, and Web Workers
- Integrating performance metrics benchmark into CI/CD pipelines
- Accelerated build time by replacing babel-loader with swc-loader and implemented monorepo architecture using Turborepo
- Enhanced SEO and speed with server-side rendering (SSR) using Liquid.js Engine for Shopify pages
- Increased conversion rates by 2% through simplified customer integration flow
- Mentored junior developers and collaborated with cross-functional teams in Agile environment.
- Technologies used: **React | Webpack | Turborepo | SWC | Shopify | Theme App Extensions | Liquid**

## Full-stack Developer | ViralProfits (05/2024 - 11/2024)

- Built an online learning platform for a 2-million subscriber's youtuber Jake Tran, specifically for people who want to start making money online via Youtube platform
- Fully delivered the project in a 6-month duration with a total revenue of **150K+ \$**
- Led a team of three junior developers to foster skill development and project success
- Integrated various third-party services, including **PostMark** and **ActiveCampaign** for email campaigns, **Bunny.net** for video hosting, **Slack** for chatbot functionality, **Intercom** for customer support, and **Stripe** and **NMI** for secure online payments.
- Technologies used: **React | Chakra UI | TailwindCSS | Express | Postgres | Vercel | Render**

## Full-stack Developer | ToanTamEC (06/2022 - 12/2022)

- Built an internal management system for the electrical construction of the public works company
- Technologies used: **MERN stack | Redux | React-query | AWS**

## Software Engineer | PTN Global (01/2021 - 11/2022)

- Worked directly with Australian customers
- Improved SEO score and performance of the project by 20%
- Building web pages, developing new features, performing code reviews, and writing documents for other devs to follow
- Operating using the Agile Scrum model
- Technologies used:
  - Laneway: **React | Redux | .Net Core | PostgreSQL | AWS (EC2, DynamoDB, S3) | Tableau** (Data Analytics)
  - Year13: **NuxtJS | VueJS | Vuex | VueSax | Laravel | PostgreSQL | Docker** (Education/Vocation Guidance)

## PERSONAL PROJECTS

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### Node Microservices - [Link](#)

- Applied Clean Architecture and Microservices to build a backend system that ensures modular, maintainable, and independent of external framework, databases, and user interfaces
- Decoupling services with event-based communication by Kafka to improve scalability and flexibility.
- Implement full-text search using Elastic Search
- Prisma ORM
- Technologies used: **Node | Express | Postgres (Neon) | Prisma | Drizzle | Kafka | Elastic Search**

### Overprepared - [Link](#)

- Fullstack AI-based project that lets users enter either a detailed job description or a role name and the application will generate a list of commonly asked questions and useful resources
- Users can log in to save their favorite list or questions to review later, integrated Clerk for user management and authentication
- Technologies used: **Next | Shadcn | Tailwind | Clerk | Vercel AI SDK | Groq | Prompt Engineering | Prisma | Postgres (Neon)**

### Portfolio - [Link](#)

- My personal portfolio where I showcase my skillsets, experiences and projects
- Technologies used: **Astro | Tailwind | Sanity.io**

## EDUCATIONAL INFO

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### Cantho University

Sep 2017 - Dec 2021

INFORMATION TECHNOLOGY- HIGH QUALITY CURRICULUM

- GPA: 3.2
- Conducted a Scientific Research project
- Followed my passion in a core website development

## CERTIFICATE

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Sep 2020

### Toeic

- 885/990
- Issued by IIG Vietnam