

# Ta Van Thai

Fullstack Developer Intern

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📍 Ho Chi Minh, Vietnam

## Professional Summary

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Aspiring Fullstack Developer with expertise in TypeScript and JavaScript, specializing in web application development using Next.js framework. Experienced in AI integration, performance optimization, and implementing modern web technologies. Seeking internship opportunities in companies with Japanese work culture to expand knowledge in scalable systems and software development best practices while delivering impactful solutions. Particularly interested in contributing to Japanese-oriented IT companies.

## Education

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### Bachelor of Information Technology (Japanese-oriented Program)

Expected 2026

University of Information Technology - VNUHCM

GPA: 3.2/4.0

*Relevant Coursework:* Data Structures, Algorithms, Database Systems, Web Development

## Technical Skills

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<b>Programming Languages:</b>	TypeScript, JavaScript, Python, C++
<b>Frontend Development:</b>	React, Next.js, Vue 3, React Native, Tailwind CSS, ShadCN/ui
<b>Backend Development:</b>	Node.js, NestJS, Express, tRPC, REST APIs
<b>Database Technologies:</b>	PostgreSQL, MongoDB, Redis, Prisma ORM
<b>DevOps &amp; Cloud:</b>	Docker, AWS (S3/EC2)
<b>Artificial Intelligence:</b>	LLM integration, RAG pipelines
<b>Development Tools:</b>	Git, WebSockets, OAuth, JWT, SEO optimization
<b>Languages:</b>	Vietnamese (Native), English (Limited Working Proficiency)

## Professional Experience

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Fullstack Developer Intern

July 2024 – September 2024

Sun\* Vietnam — Research and Development Department

### Project: 1ChatClick – Internal ChatGPT Productivity Tool

**Technology Stack:** TypeScript, Vue3, NestJS, WXT, PostgreSQL, Prisma

- Developed under Agile/Scrum methodology:
  - Delivered features in 2-week sprints
  - Participated in daily standups and sprint retrospectives
  - Maintained 95% task completion rate
- Frontend Development:
  - Built admin dashboard interface using Vue3 with TypeScript
  - Implemented responsive UI components
  - Developed login functionality with Google OAuth2 authentication
- Backend Development:
  - Created RESTful APIs using NestJS for admin dashboard functionality
  - Implemented secure authentication services

- Designed database models for prompt template storage

## Projects

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### PirateSocial - Social Media Platform (Team of 3)

Sep 2024 - Dec 2024

[github.com/TDevUIT/piratesocial-v2](https://github.com/TDevUIT/piratesocial-v2)

- **Description:** A full-stack social media platform with real-time chat, post sharing, and user authentication features, built with modular architecture for scalability.
- **Responsibilities:**
  - Led a 3-member team as Project Manager: conducted code reviews, organized weekly meetings, and managed Git workflow.
  - Developed both frontend (Next.js) and backend (NestJS) components using TypeScript.
  - Designed responsive UI with Tailwind CSS and implemented client-side state management.
  - Built RESTful APIs with NestJS, implemented authentication using OAuth2, and optimized performance with Redis caching.
  - Integrated WebSocket (Socket.io) for real-time chat and used PostgreSQL for relational data storage.
  - Deployed media files using AWS S3.
- **Technologies:**
  - **Frontend:** Next.js, TypeScript, Tailwind CSS, Shadcn/ui
  - **Backend:** NestJS, TypeScript, PostgreSQL, Redis
  - **DevOps:** Docker, Git, Turborepo, AWS S3
  - **APIs & Protocols:** REST, WebSocket (Socket.io), OAuth2

### BloAI - AI Technology Blog Platform (Team Project)

March 2025 - Present

[www.bloai.blog](http://www.bloai.blog)

- **Description:** A high-performance technical blog platform focused on AI/ML content, featuring advanced analytics, SEO optimization, and AI-powered content recommendations.
- **Responsibilities:**
  - Full-stack development using Next.js with TypeScript and Tailwind CSS for responsive UI
  - Implemented hosting, deployment (Vercel), and ongoing maintenance with 99.8% uptime
  - Designed performance optimizations achieving 95+ Lighthouse scores (Accessibility, SEO, Performance)
  - Developed SEO strategy including onPage (structured data, meta tags) and offPage optimizations
  - Integrated Gemini AI for content recommendations and NextAuth for authentication
  - Wrote 15+ technical articles on AI topics contributing to platform content
- **Technologies:**
  - **Frontend:** Next.js 14, TypeScript, Tailwind CSS, tRPC, Cloudinary
  - **Backend:** tRPC, Next.js API Routes, PostgreSQL
  - **Auth & AI:** NextAuth.js, Gemini API
  - **SEO Tools:** Next-SEO, Schema.org markup, Google Search Console
- **Achievements:**
  - Achieved top 3 Google rankings for 8+ AI-related keywords
  - Grew platform to 1,000+ visitors within 3 months
  - Reduced page load time by 40% through image optimization and code splitting

### Kapi - Japanese Language Learning Platform (Team Project)

December 2024

[github.com/vanthaita/Kapi](https://github.com/vanthaita/Kapi)

- **Description:** A cross-platform Japanese learning application with mobile app (React Native) and web admin portal (NextJS), designed to help users master vocabulary, kanji, and JLPT exam preparation.
- **Responsibilities:**
  - Developed core mobile app features including:
    - \* Interactive spaced-repetition flashcards for vocabulary/kanji
    - \* Grammar lessons with example sentence breakdowns
    - \* JLPT practice modules (N5-N3 levels)
    - \* User progress tracking and achievement system
  - Contributed to NextJS admin portal development:
    - \* Course content management system
    - \* User analytics dashboard
    - \* Lesson scheduling interface
  - Integrated with NodeJS backend APIs for data operations
  - Implemented user authentication across platforms
  - Participated in UI/UX design and cross-platform testing (Android/iOS)
- **Technologies:**
  - **Mobile:** React Native, TypeScript, Expo
  - **Web Admin:** NextJS, TailwindCSS
  - **Backend:** NodeJS, NestJS, Monorepo
  - **Databases:** PostgreSQL, Prisma
  - **Auth:** JWT, Firebase Authentication

RepoMind - AI GitHub Assistant (Solo Project)

December 2024 - February 2025

[github.com/vanthaita/repomind](https://github.com/vanthaita/repomind)

- Engineered AI-powered GitHub repository analyzer using RAG (Retrieval-Augmented Generation) pipeline:
  - Fetched repository data via GitHub API, generated embeddings, and stored in Vector Database
  - Enabled context-aware chat for repository-specific Q&A, enhancing developer productivity
- Designed intuitive user interface for repository Q&A with contextual understanding