Tran Duong Thieu

Full-stack Developer

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Full-stack developer with 2.5+ years of experience in React/Next.js, Python (FastAPI) and Flutter. At Onexapis I lead the website builder and work on AI features (agents, RAG, MCP). I'm looking to grow as a Middle Fullstack Developer, owning features from the screen to the server and bringing AI into real products. You can see my projects, with screenshots and demos, at **tranduongthieu.vercel.app**.

WORK EXPERIENCE

Fullstack Engineer - Onexapis, Ho Chi Minh City **Dec 2024 – Present**

Working on OneXEOS, a business management system with 24 apps (sales, POS, HR, AI assistant and more).
Team size: 4.

- **Website builder** (lead developer): lets a business create and publish its own website with drag and drop, without a developer. Built a multi-tenant Next.js storefront (each customer on their own domain) with ISR page caching, the editor with live preview, and a CLI for developers to publish themes. Main contributor to the deploy pipeline (GitHub Actions).
- **BPM module** (sole developer): moves a company's internal procedures from documents into the system, so staff work step by step and managers can track progress and deadlines. Built frontend and backend: the flowchart editor (React Flow), step assignments and deadlines, forms and approvals; Python and MongoDB backend.
- **AI Studio** (started both frontend and backend, shared with a teammate): lets a shop create menu and product images from its own photos and product list. Combines a vision model and image models to render, and places the shop's real logo; cut vision token costs by about 83% by downscaling photos and caching results.
- **MCP server for the AI assistant** (built it): lets the assistant look up and update a customer's OneXEOS data in plain language. Finds the right API with embeddings, calls it with the user's own permissions, and asks for confirmation before any write; Docker, CI/CD on GitHub Actions.
- **AI assistant** (FastAPI, LangChain, LangGraph): wrote agent tools; improved the RAG pipeline (embeddings, pgvector, NATS JetStream) so several instances share the work and broken documents are not retried forever.
- **Flutter mobile apps** (sole author of the monorepo): gives the company's apps one shared base instead of starting each from scratch. 4 apps: F&B POS, retail POS, a parent app for schools and an employee app. Shared parts: API client, WebSocket realtime, design system and receipt printing; CI runs tests and builds the APK.
- **ERP frontend** (one of three main developers): the software companies use to run their daily work. Built modules for assets, print templates, approvals, shared real-time editing (Y.Doc/CRDT), contracts, invoices and CRM.
- **Python backend**: built APIs for permissions, documents and printing, the public website, subscriptions and reports.
- Received the company's **Rising Star Award**.

Front-End Developer - Freelance **Nov 2024 – Present**

- Built the frontend of a cross-border money transfer platform.
- Built a portfolio site for a videographer with a scroll-driven 3D scene (Three.js, GSAP). tan-portfolio-blond.vercel.app
- Built a bilingual website with membership pages for an MMA club (Next.js). happy-club.vercel.app

Front-End Developer - HaloSoft **Oct 2024 – Nov 2024**

Built a Shopify storefront (HTML, CSS, JavaScript, Liquid).

Front-End Intern - HPT Vietnam Corporation **May 2024 – Aug 2024**

Built shared components and responsive screens for a BPM product.

PROJECTS

Claude Code Mobile **2026**

Description: Controls Claude Code running on a computer from a phone: send prompts, watch replies stream in, approve each action.

Team size: 1 (personal project)

Technology: TypeScript, Node.js, Claude Agent SDK, WebSocket, React Native (Expo), PWA

Live: claude-code-mobile.vercel.app

Cadence **2026**

Description: A Claude Code and Codex plugin that runs AI coding agents in a plan, act, verify loop, each task in its own git worktree.

Team size: 1 (personal project)

Technology: Python, git worktrees, Claude Code plugins, MCP

Apify Store Actors **2026**

Description: Two pay-per-result Actors on the Apify Store: one collects remote jobs from job sites, the other collects news and removes duplicates.

Team size: 1 (personal project)

Technology: Python, Apify SDK, Docker

Live: apify.com/iettiu

SKILLS

Languages: Python, TypeScript, JavaScript, Dart, Java, SQL.

AI & LLM: LLM agents with LangChain and LangGraph (tool calling, multi-step flows), retrieval-augmented generation (RAG) with embeddings and pgvector, Model Context Protocol (MCP) server development, vision and image-generation models, prompt design and cost control through caching, Claude API and Claude Agent SDK, Langfuse, Claude Code and Codex.

Backend: Python, FastAPI, microservices, Node.js, Express, RESTful APIs, WebSocket, Server-Sent Events (SSE), NATS messaging, PostgreSQL (pgvector), MongoDB, SQLite, Redis caching, S3-compatible object storage, Docker, automated testing with pytest.

Frontend & mobile: React.js, Next.js (App Router), Flutter, React Native (Expo), Progressive Web Apps, Redux Toolkit, TanStack Query, Tailwind CSS, Three.js / react-three-fiber, GSAP, internationalisation.

DevOps & delivery: Git, Docker, GitHub Actions CI/CD, Linux (shell scripts, systemd services, Nginx, VPS deployment), Vercel, Chrome DevTools Protocol, Postman.

Domains: business software (ERP, BPM, point of sale); fintech - a cross-border money transfer platform and automated crypto trading on the Binance Futures API.

EDUCATION

BEng Information Technology **Aug 2021 – Jun 2025**

Ho Chi Minh City University of Technology and Education **Ho Chi Minh City, Viet Nam**

Degree classification: Distinction. Cumulative GPA: 3.37/4.0 (8.15/10).

CERTIFICATIONS, LANGUAGES & AWARDS

TOEIC Listening and Reading - 695, ETS IIG Vietnam, Sep 2023.

Vietnamese - native. **English** - daily written technical English: documentation, code review and issue discussion.

Awards - Rising Star Award, Onexapis; second prize, Provincial Excellent Student Competition in Information Technology; second prize, Provincial Young Informatics Competition.