

Dinh Tien Dat

Full Stack Developer

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Summary

Backend-heavy Full Stack Engineer experienced in designing microservices-based systems with real-time and asynchronous processing. Built platforms for research management, online assessments, and data-driven applications. Focused on scalability, system design, and building reliable backend services.

Education

Ton Duc Thang University

Bachelor of Software Engineering - GPA: 8.17/10

Ho Chi Minh City, Vietnam

2024 – Present

Skills

Programming: JavaScript (Node.js), TypeScript, Python, Go

Backend: Express.js, RESTful APIs, Microservices Architecture

Frontend: React, Next.js, HTML/CSS

Databases: MongoDB, PostgreSQL, Firebase

AI / LLM: RAG Pipelines, LLM Integration, Vibe Coding(Antigravity, OpenCode, Codex)

DevOps & Cloud: Linux, Docker, Cloudflare, Oracle, AWS (EC2)

Tools: Git, Github, Figma

Experience

AIAI Research Group

Key Member – Software Engineer

aisq.vn

2025 – 2026

- Contributed as a software engineer in an AI-focused research group, supporting the design and development of intelligent systems and research prototypes.

Projects

Development of a Scientific Research Project Management System Integrated with an Intelligent Assistant **2025 – Present**

Role: Backend Developer

Tech: ExpressJS, Docker, Cloudflare, Nginx, RAG, Gemini API, React, FastAPI, LangChain

- Designed and built an AI-powered research management platform integrating LLM-based assistant with a RAG pipeline for document querying and summarization.
- Architected a microservices-based system with asynchronous processing and containerized workloads using Docker.
- Improved system responsiveness and scalability by offloading heavy AI and document processing tasks to background workers.

News Aggregation Platform **2026**

Role: Backend Developer

Tech: ExpressJS, MongoDB, Nginx, Web Crawling, REST APIs, WordPress

- Built a news aggregation platform that collects and displays data from multiple financial sources.

- Developed backend data pipelines for crawling, processing, and updating near real-time content.
- Optimized performance and system efficiency for high-frequency data updates.

Single? – Count Your Solo Days

github.com/datvn21/single | unikorn.vn/p/single

Role: Solo Developer

2026

Tech: React Native, Expo (iOS, Android, Web)

- Built a personal journaling mobile app for daily check-ins with mood tracking, photo attachments, and voice notes — shipped solo across iOS, Android and web.
- Implemented a rich home dashboard with weekly streaks, mood breakdown charts, memory cards, and random memory replay for long-term self-reflection.
- **Ranked Top 4 of the week** on Unikorn.vn — a community platform for discovering and sharing Vietnamese-built tech products — driven by community upvotes and organic traction.

Online Judge System for DSA/OOP Courses

2025

Role: Fullstack Developer

Tech: ExpressJS, React, Docker

- Developed an online coding platform supporting automated grading and test case evaluation for programming courses.

References

Nguyen Huu An - Supervisor

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