

VU THANH DUC

Full-Stack Developer | Node.js · React · Python · AWS · Microservices
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Ho Chi Minh City, Vietnam

TECHNICAL SKILLS

Languages	JavaScript (ES2023+), TypeScript, Python, C#
Frameworks	React.js, Node.js (Express.js), .NET Core, Vue.js
Databases	MySQL, MongoDB, PostgreSQL, SQL Server, Sequelize ORM
Cloud & DevOps	AWS (S3, SQS, RDS), Azure, Docker, Docker Compose, Jenkins, CI/CD, DigitalOcean, Koyeb
AI / ML	OpenAI API, Google Gemini AI, Grok, Faster Whisper, Pyannote.audio, Sentence Transformers, spaCy, Tesseract OCR
Tools	Git, GitHub, Firebase, Cloudinary, PayOS, Vite, TailwindCSS, Redux Toolkit, Framer Motion

EXPERIENCES

Back-end & Front-end Developer — FPT Software

Jan 2025 – Apr 2025

Ho Chi Minh City, Vietnam (4-month internship)

- Built and maintained C# (.NET) back-end services for a citizen management platform deployed in Japan, supporting administrative and data management workflows for government operations.
- Developed reusable front-end components in Vue.js, improving UI consistency and cutting new-page development time.

PROJECTS

OratorAI — AI Presentation Analysis Platform

Jan 2026 – Apr 2026

Team Leader & Back-end Developer | Team of 5 | [Live Demo](#) | [GitHub](#)

- Architected a microservices-based system handling real-time presentation analysis, processing speech-to-text transcription (Faster Whisper), speaker diarization (Pyannote.audio), slide-speech alignment, and semantic coherence scoring via Sentence Transformers + spaCy.
- Designed asynchronous job queuing with Amazon SQS to decouple AI/ML workers from the API layer, enabling horizontal scaling under high concurrency.
- Integrated Google Gemini AI to auto-generate structured performance reports, reducing manual evaluation effort to near zero.
- Tech: React (TypeScript) · Vite · TailwindCSS · Redux Toolkit · Node.js (Express) · MySQL (Sequelize) · AWS S3/SQS/RDS · Docker · Python ML stack

Almpact (FinWise) — AI Personal Finance Manager

Sep 2025 – Nov 2025

Team Leader & Full-Stack Developer | Team of 5 | [GitHub BE](#) / [FE](#)

- Built a cross-platform finance app (web + mobile) supporting multi-wallet tracking (cash, bank, e-wallet) with AI-powered chat input via Grok LLM.
- Implemented budget planning, savings goals, and automated overspending alerts; integrated an admin dashboard for subscription, payment, and analytics management (PayOS).
- Deployed to Koyeb with CI/CD pipeline; tech stack: Node.js (Express) · MongoDB · Cloudinary · PayOS.

- Led development of a personalized English learning platform using OpenAI API; adaptive quiz engine dynamically adjusts difficulty based on real-time user performance metrics.
- Designed learning roadmap system covering 4 language skills (reading, writing, listening, speaking); deployed on DigitalOcean with Node.js · MongoDB · Cloudinary.

- Developed a multi-branch management system with inventory tracking and operational workflow automation powered by Google Gemini AI; integrated PayOS for payment processing.
- Tech: Node.js (Express) · MongoDB · Cloudinary · DigitalOcean.

EDUCATION

ADDITIONAL

English	Working Proficiency — Basic Communication (written & spoken)
Leadership	Led 4 separate project teams of 5 members across academic projects
LinkedIn	https://www.linkedin.com/in/thanh-duc-vu-66a9863b7/
Portfolio	https://dylanvu.vercel.app/