

Ha Minh Tri

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ABOUT ME

- Computer Science final-year student at International University (HCMIU); seeking a Software Engineer role.
- Built a multi-vendor e-commerce marketplace with a product recommendation engine (hosted on AWS during demos), and a system that extracts structured data from invoices and makes it searchable.

EDUCATION

International University – VNU HCMC (HCMIU)

Sep 2022 – Expected Graduation 2026

Bachelor of Computer Science, GPA: 3.10/4.0

EXPERIENCE

Cloud Trainee

Jun 2025 – Dec 2025

First Cloud Journey by AWS Vietnam

Ho Chi Minh City, Vietnam

- A 6-month hands-on AWS cloud engineering program focused on building scalable, real-world backend systems.
- Gained hands-on experience with AWS core services, cloud architecture patterns, CI/CD fundamentals, and DevOps practices, while balancing scalability, security, and cost optimization.

PROJECTS

Amazon Clone Website

Sep 2025 – Jun 2026

Fullstack E-commerce Marketplace with ML Recommendations

[GitHub](#)

- Built interactive user and admin interfaces using React, Redux, and Material UI; developed REST APIs with FastAPI in a 3-layer architecture handling JWT authentication.
- Set up PostgreSQL with SQLAlchemy ORM, structuring data for a 237,000+ product dataset.
- Integrated 6 ML recommendation models: TF-IDF, Collaborative Filtering, Association Rules, Trending, Highest Rated, and Interest-Based using scikit-learn and Pandas.
- Configured AWS infrastructure (S3, EC2, RDS) and utilized CloudFront for content delivery.
- **Stack:** React, Redux, FastAPI, PostgreSQL, SQLAlchemy, scikit-learn, AWS (S3, EC2, RDS, CloudFront).

Trello Clone

Jun 2026 – Aug 2026

AI-Powered Kanban Project Management Platform

[GitHub](#)

- Integrated AI Maestro Agent chatbot via Vercel AI SDK enabling natural-language board operations: create cards, move tasks, assign work, and auto-schedule Gantt timelines.
- Implemented Gantt scheduling engine with full PDM dependencies (FS/SS/FF/SF), critical path highlighting, milestone detection, and Butler automation (event-triggered + cron rules).
- Built real-time collaboration with Socket.io, role-based workspaces (Owner/Member/Observer), and Web Push notifications.
- Tested with Vitest covering 790+ test cases across frontend and backend; containerized with Docker.
- **Stack:** Express.js, Prisma ORM, PostgreSQL 16, Socket.io, Vercel AI SDK, Docker.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript (ES6+), Python, C/C++ (Basic), Java (Basic)

Frontend: React.js, Next.js (Basic), HTML5, CSS3, Material UI, Tailwind CSS (Basic), Figma

Backend: Node.js, Express.js, FastAPI (Python), RESTful APIs

Databases: PostgreSQL, MySQL, MongoDB (Basic), Prisma ORM

Cloud & DevOps: AWS (EC2, S3, RDS, CloudFront), Docker (Basic), Vercel, Linux / Shell Scripting

Tools: Git, GitHub, npm, yarn (Basic)