



HOANG NGUYEN

Software developer

ABOUT ME

Full-stack developer with hands-on experience building B2C platforms, admin dashboards, and AI-powered web applications. Skilled in cloud deployment, modern frameworks, and agile collaboration. Strong at solving complex problems, integrating advanced AI/NLP solutions, and delivering projects from concept to production.

EDUCATION

Bachelor of Information and Communication Technology

Western Sydney University
2024 - 2025

Diploma of Information Technology

UTS College
2022-2023

SKILLS

- Specialized in Web development
- Fluent in English/
Vietnamese
- Experienced with Docker and Cloud technologies (AWS)

INTERESTS

- Reading book
- Playing basketball

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EXPERIENCE

Full-stack Developer, AI Engineer - ATO Chatbot

Mar 2025 - Jun 2025

Western Sydney University

- Co-developed a full-stack RAG AI-powered tax assistant web app using Next.js, FastAPI, AWS (EC2, S3, Bedrock), Chromadb, and Docker for a real client in collaboration with IBM experts.
- Integrated advanced AI/NLP and semantic search to deliver accurate, source-cited answers from official ATO documents.
- Built secure features for chat transcript download and automated email delivery, supporting both individual and professional users.
- Led client communication, requirements gathering, and agile delivery, ensuring robust, compliant, and production-ready deployment.

Full-stack Developer - B2C Stores

May 2025 - Jun 2025

Western Sydney University

- Developed a full-stack e-commerce platform using Next.js, tRPC, Prisma, MongoDB, Turborepo, AWS S3, and Docker, supporting both customer and admin dashboards.
- Implemented type-safe APIs and cloud image storage, enabling secure CRUD operations and scalable asset management across multiple user roles.
- Built direct client-to-S3 image upload with presigned URLs for secure, scalable file storage.
- Automated deployment and CI/CD workflows with Docker Compose, Nginx, and AWS EC2, ensuring robust, production-ready infrastructure, with https secure.