Vo Xuan Nhi Tran

xuannhi2k6@gmail.com | linkedin.com/in/xuannhi-tran | github.com/xuannhi-tran

EDUCATION

University of Sydney **2024 – Expected 2028**

Degree: Bachelor of Engineering (Honours), Software Engineering

Scholarships: Dalyell Scholar, Vice Chancellor's International Scholarship

Relevant Coursework: Data Structures & Algorithms, Software Construction & Design, Systems Programming, Data and Information Management, Agile Software Development Practices, Internet Software Platforms

EXPERIENCE

Software Engineer (Part-time) **Oct 2026 – Present**

Althea Room LLC - Florida, USA *Remote*

- Integrated the company's central authentication system into a backend service, replacing development-only login with session validation; built 8 API endpoints and 6 PostgreSQL tables.
- Established the Android project's **first automated CI pipeline** in GitHub Actions, covering builds, tests, static analysis and security scanning; added CI and security workflows for the backend.
- Fixed **13 security findings** across 5 backend repositories and verified fixes against existing test suites.
- Coordinated **a production PostgreSQL migration** from DigitalOcean to OVH with the CTO, verifying data integrity across 12 tables using checksums.

PROJECTS

TalentMatch - Internship Matching Platform | *Django, JavaScript* **Sep 2026 – Nov 2026**

- Built a full-stack internship platform with student applications, saved roles, application tracking and personalised match scores, plus employer tools for managing job postings and applicants.
- Deployed on AWS EC2 behind Nginx with HTTPS and a custom domain; migrated from SQLite to PostgreSQL using a least-privilege database role.
- Implemented real-time notifications with Django Channels, WebSockets and Redis, alongside role-based access control, PDF upload validation and firewall rules using AWS Security Groups and UFW.
- Led a team of 5 student engineers through weekly meetings, Git workflows, code reviews and pull request testing.

RenoPilot - Capstone Project | *Next.js, TypeScript, Three.js, PostgreSQL* **Aug 2026 – Nov 2026**

- Developed an interactive 3D room preview, fixtures list and cost breakdown for customer quote reports.
- Built the platform's landing page and persistent light/dark theme, with both contributions accepted and merged by the client.
- Wrote 148 integration tests covering the quote flow and rotated through Technical Lead, Client Liaison and Risk Analyst roles.

JobCompass - Futura Remix Hackathon 2026 | *Next.js, TypeScript, Gemini API, Redis* **Sep 2026 – Oct 2026**

- Built a job-ad screening tool that combined Gemini-based extraction with rule-based checks to assess compatibility with Australian student visa requirements, citing job-ad text as evidence.
- Achieved 75% accuracy on 20 unseen ads, with no false-positive eligibility recommendations in the test set.
- Deployed to production with analytics, Redis caching and rate limiting; served 40 students across 41 job-ad checks.

RAG Document Assistant | *Python, FastAPI, React, pgvector, AWS* **Aug 2026 – Oct 2026**

- Built an English/Vietnamese PDF RAG backend using embeddings and Gemini; added pytest and GitHub Actions CI, and deployed on AWS EC2 with Nginx.

SKILLS

Languages: Python, Java, TypeScript/JavaScript, SQL, HTML/CSS

Frameworks: React, Next.js, FastAPI, Django, Django REST Framework, Three.js

Databases: PostgreSQL, pgvector, SQLite, Redis

Tools & Clouds: Docker, Git/GitHub, GitHub Actions, AWS EC2, Nginx, Vercel, Render, pytest, JUnit, SonarCloud