

# Thanh Nguyen

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## EDUCATION

### Australian National University

Bachelor of Information Technology - GPA: 6.42/7.00

Canberra, ACT

Expected Nov. 2025

## EXPERIENCE

### Software Engineer (Contract)

National Institute of Education

Jul. 2025 – Present

Sydney, NSW (Remote)

- Build **RESTful APIs** with **AWS Lambda** functions using **Node.js**, **TypeScript**, and **AWS SAM** to integrate Sendy API, Zoom API, and Xero API, improving processing speed by **30%**
- Architect backend solutions using **PHP**, **MySQL**, and **OOP patterns** to automate subscription and data entry workflow, cutting **100%** time of manual work weekly
- Develop **15+** unit tests using **Jest** and **TypeScript** for Lambda invocations, achieving **90%** test coverage for AWS service interactions

### Research Assistant

Software Innovation Institute

Jul. 2025 – Present

Canberra, ACT

- Build an Analysis PODS (Personal Online Data Store) using **Python** and **Solid API** to securely process blood-pressure time series from **10** patients PODS, preserving user privacy via **Solid ACL**
- Enhance the HealthPod app UI with **Flutter** and **Dart** by developing interactive line-chart widgets, overlaying fitted trend curves on raw readings

### Software Engineer Intern

Lyra

Feb. 2025 – Mar. 2025

Sydney, NSW

- Built a Chrome Extension with **React**, **Vite** and **TypeScript** to scrape **500+** LinkedIn connections data from users using LinkedIn's GraphQL APIs
- Integrated **Gmail API** into **tRPC (Node.js)**, speeding up Gmail syncing runtime by **30%** using parallel synchronization
- Leveraged **AWS S3** bucket for **7000+** HTML thread files storage, reducing database size by **50%** (~ **1 GB**) and speeding up per-thread load time by **500ms** on average

### Software Engineer Intern

FPT Software

Nov. 2024 – Feb. 2025

Hanoi, Vietnam

- Secured **10+** RESTful APIs using **Java**, **Spring Boot**, and **Spring Security** for a Learning Management System
- Cut **PostgreSQL** database schema deployment time by **70%** and eliminate migration failures by integrating **Liquibase** into Maven build

## PROJECTS

### Lynx AI | Next.js, React, Express.js, TypeScript, Supabase, Prisma, PostgreSQL

Jul. 2025 – Present

- Engineer an AI Agent that handles agentic workflows for daily tasks, integrating **10+** tools such as Gmail, Google Calendar, Google Docs, Google Sheets, Drive, etc
- Develop **RESTful APIs** with **Express.js (TypeScript)** to handle agentic features and tools integration by using Vercel AI SDK and Composio
- Build dashboard and chat UI using **Next.js**, **React** and **TailwindCSS**, with **Supabase** for authentication

### RateMyANU | Next.js, React, Node.js, tRPC, TypeScript, Prisma, PostgreSQL

Apr. 2025 – Jun. 2025

- Developed a platform using **Next.js**, **React** and **Node.js** for students to give courses reviews
- Leveraged **Supabase** to provide authentication service and host **PostgreSQL** database for nearly **3000** records
- Integrated **TanStack Virtual** to implement infinite scrolling design, reducing UI response time by **1s**

## TECHNICAL SKILLS

**Languages:** TypeScript, JavaScript, Python, Java, HTML/CSS, C, PHP, PostgreSQL

**Libraries/Frameworks:** React, Next.js, Express.js, Node.js, tRPC, Vercel AI SDK, Spring Boot, TailwindCSS

**Tools:** AWS, Git, Vercel, Prisma, Google Cloud Platform (GCP), Postman API, Supabase