Stefan Phan

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EDUCATION

University of South Australia   Expected Nov 2027
Bachelor of Software Engineering (Honors)   *GPA: 6.5 / 7.0*
- **Coursework:** Databases, Web Development, Data Structures & Algorithms, Object-Oriented Programming, Network Fundamentals, UI Design Thinking, System Requirements, System Design, Operating Systems and Tool Chains
- **Honors/Awards:** Chancellor's Letter of Commendation 2024

EXPERIENCE

FPT Software   Nov. 2024 – Feb. 2025
Software Engineer Intern   *Danang, Vietnam*
- Developed a high-performance backend server using **Express.js** that managed an internal CMS with **40+ RESTful API endpoints** for content delivery and management
- Implemented comprehensive security protocols including **role-based access control (RBAC)** and **JWT authentication** for **700+ users**, ensuring 100% compliance with confidentiality requirements and maintaining data integrity through **MongoDB transactions**
- Boosted API performance by **20%** through optimizing **MongoDB query pipelines** and implementing efficient caching strategies with **Redis**, significantly improving application responsiveness

PROJECTS

SmartSaver | *Gemini API, Node, Express, React, MySQL*   Mar. 2025
- Developed an **AI-powered** money tracking app with **Gemini AI** for personalized financial recommendations in **various tones** (funny, angry, sad, wide).
- Implemented password hashing and **20+ backend APIs** using **Express.js**, **Node.js**, and **MySQL**.
- Created **5+ financial diagrams** for visualizing spending and savings, with a **React** front end.

LittleLemon | Django Rest Framework   Sep. 2024
- Developed a **RESTful API** using **Django Rest Framework**, implementing **20+ endpoints** for menu management, user authentication, and order processing
- Integrated **JSON Web Token (JWT)** for user authentication and session management, enhancing security and user experience by implemented **role-based access control**, improving data security for **5+ user groups**
- Implemented pagination and filtering, optimizing response times by **40%** for large datasets

GameHub | Django, SQLite, ZEGOCLOUD, React, Socket.io   Jun. 2024
- Developed a forum-based platform where gamers can engage in real-time discussions across **100+ game categories**.
- Implemented **real-time chat** functionality using **Socket.io**, enabling seamless communication between gamers without page reloads.
- Integrated **ZEGOCLOUD** for **real-time meetings**, facilitating **10+ concurrent live discussions** for users globally.
- Created a robust user authentication and authorization system, ensuring only registered users could participate in forums and chat.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript / Typescript, HTML/CSS, Swift, C / C#
Frameworks & Library: React/Next,Express, Node, Flask, Django
Tools: Git, GitHub, PostgreSQL, MySQL, MongoDB, Firebase, Redis, REST API

CERTIFICATES

100 Days of SwiftUI	Feb. 2025
Professional Meta Back-End Developer	Sep. 2024
CS50's Web Programming with Python and JavaScript	Aug. 2024
CS50's Introduction to Computer Science	Jul. 2024