Joe (Haochuan) Zhou

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SUMMARY

Full-stack developer with solid experience in front-end and back-end technologies. Recognized for delivering high-quality code, solving complex problems, and fostering team collaboration. Demonstrates reliability by consistently delivering efficient, clean implementations. Communicates effectively, shares knowledge willingly, and adapts quickly to team dynamics to push projects forward. Passionate about technology with a commitment to continuous growth and collaborative value creation.

EDUCATION

University of Wollongong   Wollongong, AU
Master of Computer Science   07/2023 - 06/2025
- **GPA: 3.975/4**
- Postgraduate Academic Excellence Scholarship (2023)

Jiangxi University of Finance and Economics   Nanchang, CHN
Bachelor of Economics   09/2014 - 07/2018

INTERN EXPERIENCE

I Ching Walkers Australia Pty Ltd, Sydney | **IT Intern**   12/2023 - 03/2024

Description: A mobile life application that integrates worship, blessing, divination, dream interpretation and worship functions.

Technologies: Rest API, OpenAI Platform
- Assisted in prompt engineering for both text and image generation, enhancing AI character interactions and integrating **DALL-E 3** for text-to-image functionality.
- Helped in processing classical philosophical texts for custom **GPT-3.5 Turbo model** training, improving logical coherence in dream interpretation capabilities.
- Worked on integrating APIs, including summarizing official API documentation and performing functional testing to ensure reliability and availability.

PROJECTS

Smart Renting | NextJS, Supabase, Zustand, Clerk, Google Maps API

Description: An interactive map tool website to help tenants to make rental decisions.
- Utilized the **Google Maps API** to initialize the interactive map.
- Integrated **Clerk** authentication with **Supabase** permission system to secure data access while maintaining user identity consistency.
- Developed an archive management system with saved properties and points of interest for data isolation and scenario-based management.

joechow.me | NextJS, Redis, Prisma, Sanity, TypeScript, Shadcn/ui, Tailwind CSS

Description: A personal portfolio website for showcasing blogs and projects, and leaving messages.
- Utilized **Prisma ORM** to achieve type-safe data operations.

- Integrated **Sanity CMS** to implement content management system, convenient for publishing and updating blog and project content.
- Implemented **Redis** caching strategy to optimize data retrieval for LeetCode records, blogs, projects and messages, resulting in effectively reduced load times.

<u>**Tourism Information Center**</u> | Microservice, Rest API, AWS Serverless Service
Description: A tour information site for easy planning and booking with event notification.
- Developed a scalable serverless frontend-backend system based on **AWS Lambda** architecture.
- Built frontend using **HTML, CSS, and JavaScript**, communicating with backend via **AWS API Gateway**.
- Implemented multi-language **microservices** with Node.js and Python.

VOLUNTEER EXPERIENCE

NDC Sydney Crew 2024 | Volunteer   02/2024
Description: One of the world's leading software developer conferences.
- Supported various aspects of the conference, potentially including registration, session management, speaker assistance.
- Engaged with industry leaders and developers, expanding professional network and staying current with the latest trends in software development.

CERTIFICATES & SHORT COURSES

<u>**Foundational C# with Microsoft**</u> | *freeCodeCamp*   04/2025
- Learned **C# fundamentals** and developed multiple console applications to reinforce understanding of its strong typing system.

<u>**Code in Place**</u> | *Stanford University*   04/2023 - 06/2023
- Collaborated in a mentor-guided small group and gained hands-on experience through weekly coding exercises and projects.
- Gained practical experience with control flow, loops, conditionals, console programs, basic graphics, and data structures including lists and dictionaries.

KEY SKILLS

Technical Skill
- Frontend: TypeScript, JavaScript, HTML/CSS, Tailwind CSS, Shadcn/ui
- Backend: Python, PHP, C#
- Database: SQL, MySQL, PostgreSQL, Redis, MongoDB, GraphQL
- Frameworks: Express.js, React.js, NextJS
- Developer Tools: Git & GitHub, Docker, AWS, WordPress, Jira, Vercel, Clerk

Language
- English, Mandarin, Cantonese

Reference

The reference of **I Ching Walkers Australia Pty Ltd** will be provided upon request. The information about the above projects or certificates can be verified by clicking the corresponding hyperlinks.