Lorraine Gao

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📇 PROFILE

- Junior Software Engineer with experience delivering full-stack web applications in team-based settings.
- Proficient in frontend development using React and TypeScript, focusing on building responsive user interfaces and smooth API integration.
- Hands-on experience in backend development with C# (ASP.NET Core), Node.js, and Express.js, including building RESTful APIs and integrating with databases.
- Collaborated in Agile teams on planning, implementation, and deployment using GitHub, Docker, and Jira.

🧩 SKILLS OVERVIEW

- Frontend Development: React, Next.js, Vite, Tailwind CSS, HTML5, CSS3
- Backend & API Development: Node.js, Express.js, ASP.NET Core, RESTful APIs, PostgreSQL, Entity Framework
- Programming & Scripting: JavaScript, TypeScript, Python, C#, Shell Scripting
- Cloud Platforms: AWS, Azure
- DevOps & Deployment: GitHub Actions, Docker, Vercel, Render
- Testing: Jest (Unit Testing), Cypress (E2E Testing)

💼 WORK EXPERIENCE

Software Engineer, *CPU Education Company*   03/2024 – 02/2025 │ Sydney

Developed a full-stack platform for student group formation and research project matching with role-based access for students, professors, and admins. Integrated the LLM service to enable automated matching.

Technologies & Responsibilities:

- Collaborated on building frontend with React, React Router, and local state management
- Contributed to the design and implementation of RESTful APIs for user, group, and project modules
- Built backend logic using C# and .NET Core, and helped design relational schemas in PostgreSQL
- Assisted in setting up CI/CD with GitHub Actions and used Docker for local development
- Participated in Agile sprints using Jira, working closely with PMs and frontend teammates

Technical PM, *Yuewen Official*   09/2021 – 03/2022 │ Beijing

Led a traffic intervention project on QQ Reading to boost exposure for selected books, conducting controlled experiments to evaluate the impact.

Technologies & Responsibilities:

- Defined targeting logic using Regex and selected test/control content groups
- Collaborated with backend engineers to deliver A/B tests and a results dashboard

🔧 RELATED PROJECTS

Personal Portfolio (Next.js + Vercel)

- Built a responsive portfolio using Next.js and Tailwind CSS, featuring dark mode and a contact form.
- Connected to GitHub and deployed on Vercel with automated updates on push.

Airbnb Clone Web App

- Built a full-stack booking app with landlord and tenant roles, supporting listing, booking, and reviews.
- Developed with React, Express.js, and Firebase, and deployed on Render.

🎓 EDUCATION

Master of Information Technology, *UNSW Sydney*   02/2023 – 12/2024

Excellence graduate | WAM: 80.3

Bachelor of Economics, *Zhongnan Univ. of Economics and Law*   09/2018 – 06/2022

second faculty scholarship | WAM: 82.9

🏅 CERTIFICATES

AWS Certified Cloud Practitioner – Amazon Web Services (Apr 2025)