Haoyuan(Harry) He

Sydney | haoyuanhe97@gmail.com | 0478209694

Employment History

Front-end Developer, Digital Capital Group – Sydney, Australia   Mar 2024 – Mar 2025

- Collaborated with the Hong Kong tech team using JavaScript and React to modify and maintain frontend components, supporting offline product promotions.
- Designed and developed custom applications based on marketing requirements to enhance market penetration.
- Optimized frontend code to improve page load speed and user experience, ensuring high-quality delivery.
- Worked closely with product and design teams to ensure features met localization needs and enhanced user satisfaction.
- Utilized Cypress for end-to-end testing to simulate real user interactions and validate application workflows.

Education

University of Melbourne, Master of Information Technology   Jul 2021 – Jul 2023
- GPA: Top 20% of the class

University of Technology Sydney, Bachelor of Information Technology   Jul 2017 – Mar 2019
- GPA: Top 20% of the class

Projects

Full-Stack E-Commerce Platform with Stripe Integration

Technologies: React, Node.js, Express, MongoDB, Redis, Stripe, Tailwind CSS

Developed a full-stack e-commerce app using React for the frontend and Node.js with Express for the backend. Integrated MongoDB for data storage, Redis for caching, and Stripe for secure payment processing. Implemented JWT authentication for secure user access. Created an admin dashboard for product management, shopping cart functionality, and coupon codes. Designed a responsive UI with Tailwind CSS and deployed the app on cloud platforms, ensuring scalability, security, and data protection.

Real-Time Messaging Application with MERN Stack and Socket.io

Technologies: MongoDB, Express.js, React.js, Node.js, Socket.io, Zustand, TailwindCSS, DaisyUI

Developed a real-time messaging app using the MERN stack and Socket.io for instant messaging and online status tracking. Implemented JWT authentication for secure user login and sign-up. Utilized Zustand for efficient global state management and integrated robust error handling on both the server and client sides. Designed a modern, responsive UI with TailwindCSS and DaisyUI. Deployed the app for reliable performance and seamless communication, delivering a scalable, feature-rich solution that improved messaging efficiency and user engagement.

Forum Project Development

Technologies: Next.js 15, NextUI (HeroUI), Tailwind CSS, Auth.js (GitHub & Gitee), Prisma + SQLite, Node.js, Nginx, Docker

Led the development of a scalable forum platform, focusing on user authentication and performance. Utilized Next.js 15 for server-side rendering, integrated NextUI and Tailwind CSS for a responsive, custom UI, and implemented secure authentication with Auth.js (GitHub and Gitee logins). Managed the database with Prisma and SQLite, and deployed using Node.js and Nginx for high performance. Streamlined development with Docker and collaborated with the team to ensure seamless frontend-backend integration.

Certification

AWS Certified Cloud Practitioner Certification