Harry Sun Full-stack Web Developer

Sydney, Australia | 0432 092 214 | haosun.uq@outlook.com | www.linkedin.com/in/haosun1997 | dddsao.com

Profile

Full-stack Web Developer with 3 years of hands-on experience specializing in React, Next.js, Node.js, MongoDB, and PostgreSQL. Demonstrated expertise in independently designing and developing high-performing solutions. Successfully crafted a robust e-commerce system for the current company and engineered a comprehensive shipment management system for a client company, surpassing expectations with innovative solutions tailored to their specific needs.

Work Experience

Full Stack Web Developer | Crazy Parts | March 2021 – Present | Rydalmere, Sydney
- Designed and developed the e-commerce system using Next.js 14 from scratch, enabling features such as payment consolidation, stock control, order processing and tracking, as well as automatic email and SMS notifications.
- Implemented a GraphQL API with Apollo Client and Apollo Server to optimize data retrieval and manipulation, resulting in improved performance and enhanced flexibility for the system.
- Seamlessly integrated the AU Post API for streamlined shipment management, facilitating shipping label generation and enabling comprehensive cost analysis.
- Leveraged MongoDB's aggregation query language to design and build a real-time interactive sales report page. This strategic implementation resulted in a remarkable 30% reduction in database query time, significantly enhancing operational efficiency and decision-making capabilities.
- Dockerized the system architecture and deployed the app using GitHub actions, AWS ECR, ECS, and Fargate, enhancing overall efficiency and ensuring rapid iteration cycles.
- Tech Stacks: React, Typescript, Next 14, Nodejs, Express, MongoDB, Tailwind CSS, MUI, Cypress, Recoil, AWS

Project

Shipment Management System | Frontier United | June 2021 – September 2021 | Sydney
- Designed and implemented a robust Shipment Management System, encompassing all stages of the software development lifecycle.
- Led the software design process, ensuring scalability, modularity, and adherence to best practices. Conducted rigorous testing to guarantee functionality and reliability across diverse scenarios.
- Replaced an external PDF commercial software with an open-source pdf-lib driven invoice processing sub-system to generate over 20 invoices per day.
- The project effectively replaced the utilization of CargoWise, resulting in an annual savings of approximately $20,000.
- Tech Stacks: React, Typescript, Next 13, Nodejs, Express, MongoDB, Tailwind CSS, MUI, Recoil, AWS

Education

Master of Information Technology | The University of Queensland | June 2018 – July 2020 | St Lucia, Brisbane
- Dean's commendation for academic excellence in Semester 1, 2020 and Semester 2, 2018

Bachelor of International Hospitality and Tourism | The University of Queensland | June 2016 – July 2018 | St Lucia, Brisbane
- Dual major in Tourism Management and Event Management

Bachelor of Management | Sun Yat-sen University | September 2014 – July 2016 | Guangdong, China

Skills & Abilities

- **Frontend**: React, Typescript, HTML, CSS, JavaScript, Redux, Recoil.js, RESTful, GraphQL, Apollo
- **UI Library**: TailwindCSS, MUI v5, Bootstrap, React Icons

- **Utility Library**: pdf-lib, pdfmake, lodash, SendGrid, Twilio
- **Backend**: Next.js 14, Node.js, Express.js
- **Database**: MongoDB, PostgreSQL, MySQL
- **Testing**: Cypress, Jest
- **DevOps**: Automatic CI/CD, GitHub actions, unit testing, e2e testing
- **Cloud**: AWS ECR, ECS, Fargate, Lightsail, EC2, Route 53, CloudFlare
- **Tools**: Linux, Git, Visual Studio Code