RYAN ZHENG, Full Stack Developer/IT Support

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LINKS

PORTFOLIO WEBSITE

PROFILE

As a full-stack engineer with over 5 years of experience, I focus on web development using JavaScript technology stack, with expertise in front-end frameworks like Vue, React, and Node.js backend development. Skilled in modern frontend architecture and component-based development, capable of building high-performance, scalable web applications. Additionally, I possess solid system administration skills in Linux/OSX environments, proficient in network management, server configuration, and performance optimization.

EMPLOYMENT HISTORY

Jan 2016 — Present

Full Stack Developer, QIANZHI TECH   Beijing

Laboratory Monitoring System:

- Architected and optimized a real-time monitoring dashboard using React and WebSocket, significantly improving data visualization and system responsiveness
- Enhanced the notification system with message queuing and rate limiting to prevent alert fatigue and ensure reliable message delivery
- Streamlined data collection by implementing automated sensor integration protocols, enabling efficient processing of environmental data from multiple IoT devices

Document Management System:

- Led the development of a document management platform using React and Node.js, focusing on performance optimization and user experience
- Engineered an efficient file processing pipeline with chunk upload support and progress tracking, significantly reducing upload failures
- Implemented advanced search functionality using Elasticsearch and OCR technology, enabling full-text search and accurate content extraction

Jan 2014 — Present

Full Stack Developer, SAMACITI TECHNOLOGY   Kuala Lumpur

Internal Security Platform:

- Spearheaded the frontend development of a high-security information system using modern JavaScript frameworks, focusing on strict access control and data protection
- Optimized critical rendering paths and implemented code splitting strategies, resulting in improved initial page load performance
- Engineered responsive layouts and component-based architecture to enhance maintainability and ensure consistent user experience across different devices
- Introduced client-side caching and lazy loading techniques to improve data fetch efficiency and reduce server load during peak hours

EDUCATION

Jan 2009

Master Degree in Network Computing, MONASH UNIVERSITY

Jan 2006

Bachelor's Degree in Software Engineering

SKILLS

Node.Js	Expert	MySQL	Expert
ReactJS	Expert	Network Administration	Expert
JavaScript (Programming Language)	Expert	IT Support	Expert

LANGUAGES

Chinese	English