

Zhang Shiqi

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Professional Summary

Senior front-end software engineer with three years of extensive development experience and an active contributor to the Eclipse open-source project. Proficient in modern front-end technology stacks, including React, TypeScript, JavaScript (ES6+), CSS3, and Tailwind frameworks, with rich engineering development experience. Skilled in designing and developing high-performance, user-friendly applications, with expertise in front-end performance optimization techniques (Next.js).

Fluent in English with a full-stack development background, including Java back-end development. Experienced in cross-platform development with technologies like React Native and Flutter, along with client-side development expertise to support cross-functional teams in achieving complex business requirements efficiently.

Education

Monash University, Melbourne, Australia

Bachelor of Computer Science (QS World Ranking 37, 2024)

Graduated: November 2022

Work Experience

Full Stack Engineer | AI Startup

2024 – Present

Industry Focus: Proprietary AI models for private domain deployment

- Developed and launched a customized VSCode client for AI robot integration, supporting private domain AI deployments. Created a private plugin marketplace fully compatible with Elasticsearch, Spring Boot, and PostgreSQL.
- Built and released multiple VSCode plugins with features like smart suggestions and code auto-completion using Node.js.

- Restructured the client-side front-end architecture using React and TypeScript, improving maintainability and scalability through efficient modularization and component reuse.
 - Enhanced web page performance with Webpack optimizations, code splitting, and lazy loading in Next.js, improving user experience and reducing resource consumption.
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Software Engineer | YMYCAI

February 2023 - November 2023

Industry Focus: Fintech startup incubated by SkylineDevLab

- Designed and implemented ETL pipelines to process over 100,000 news articles, visualized via ECharts dashboards to support business decision-making.
 - Built over 20 high-performance REST APIs with Node.js and Express.js, reducing query latency from 14 seconds to 0.6 seconds.
 - Developed OpenAI-based AI microservices, automating financial reports and saving 10 hours of weekly manual operations.
 - Enhanced front-end architecture with Next.js, TypeScript, and TailwindCSS for responsive, server-side rendered UIs, ensuring high performance and UI consistency.
 - Integrated Clerk for user authentication and behavior analysis, combined with Hotjar and Posthog for data insights to optimize the user experience.
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Web Development Intern | Fugu Nirvana

May 2022 - November 2022

Industry Focus: Comprehensive garden service provider (Malaysia branch)

- Designed and containerized an international e-commerce platform with multi-language and payment system support, serving over 3,000 daily active users.
 - Reduced page loading time by 25% through performance optimization, increasing user retention by 10%.
 - Developed a back-end management system using TypeScript, Shadcn/ui, and TailwindCSS for user management and data analysis.
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Cybersecurity Part-time | Tesseract

February 2023 - September 2023

Industry Focus: Leading cybersecurity service provider in Australia and New Zealand

- Developed an online exam system using React.js and Spring Boot, supporting over 500 simultaneous users with zero downtime.

- Created interactive data visualization interfaces with ECharts, increasing engagement by 20%.
 - Collaborated closely with UI/UX designers and back-end teams to ensure consistent and seamless application design.
 - Independently tackled system architecture and functional implementation challenges to ensure project success.
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Technical Skills

- **Programming Languages:** JavaScript (Advanced), TypeScript, Python, Java, C++
 - **Front-end Frameworks and Libraries:** React.js, Three.js, HTML5, CSS3, Tailwind CSS
 - **Data Visualization:** ECharts
 - **Front-end Build and Optimization:** Webpack, Next.js
 - **Component Libraries:** AntDesign, ElementUI
 - **API Development and Debugging:** Axios, Postman
 - **Version Control:** Git
 - **Database Technologies:** SQL (MySQL, PostgreSQL), Redis
 - **Back-end Technologies:** Node.js, Spring Boot, MyBatis
 - **Operating Systems:** Linux
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Personal Qualities

- **Independent Project Implementation:** End-to-end project development from requirement analysis to delivery, excelling in both individual and team settings.
- **Collaboration & Communication:** Proven ability to lead technical discussions and create comprehensive documentation for accelerated teamwork.
- **Agile Development Expertise:** Familiarity with Spring framework, agile methodologies, and CMMI standards, ensuring alignment with business objectives.
- **Quick Learning Ability:** Rapid adaptation to new technologies and active participation in open-source contributions.
- **Network & Security Knowledge:** Solid foundation in computer networks and security practices to mitigate risks and enhance system reliability.