Ryan Zhang

CONTACT

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EDUCATION

Master of Information Technology
Jul 2024 – Jun 2026 (Expected)
Monash University, Melbourne
Focusing on software development and modern web technologies.

TECHNICAL SKILLS

Languages

TypeScript, Java, SQL

Frontend

React, Next.js, Tailwind CSS, Vue3,

Framer Motion, Jest,

Backend & Database

NestJS, Spring Boot,

PrismaORM, PostgreSQL,

MongoDB, Supabase

Tools/DevOps

Git, Docker, AWS (basic), Vercel

Aspiring Software Engineer and Master of IT student at Monash University, focused on building accessible and maintainable web applications using the React ecosystem (Next.js, TypeScript). Experienced in frontend development and integrating RESTful APIs backed by Java/Spring Boot. Comfortable working across the frontend-backend boundary, with a practical understanding of modern web system architecture and team-based development workflows.

Experience

Frontend Developer (Intern)   *Jan 2024 – Jun 2024*
Lingyun Technology
Shenzhen, Guangdong

- Refactored the attendance module in Spring Boot into stateless RESTful APIs with standardized CRUD design, improving front-end integration.
- Applied Service and Repository patterns with DTOs and TypeScript interfaces to enforce data consistency and reduce runtime errors.
- Optimized JPA pagination and implemented front-end debounce and fuzzy search, improving API response time by ~30% and lowering database load.
- Designed a responsive UI system using Atomic Design, Tailwind CSS, Framer Motion, and the Factory Pattern to maximize component reusability.
- Followed Git-flow, led PR reviews for core modules, and contributed to Docker-based CI/CD pipelines for automated deployments to Vercel.

Key Projects

KeyMotion

Built a typing speed test app with React and TypeScript; used custom hooks to separate timing, input, and state logic, reducing UI complexity and improving maintainability.

Implemented countdown mode with real-time WPM/accuracy/error metrics to keep feedback stable during high-frequency input.

Integrated Supabase authentication and data storage (GitHub OAuth / email login) to sync user results and preserve history.

Enhanced UX with Framer Motion and sound feedback for smoother interactions and clearer responsiveness.

My Portfolio

Built a performant, responsive portfolio website leveraging Next.js & React. Utilized Tailwind CSS for adaptive styling and deployed via Vercel for global accessibility.

Showcases a collection of projects and skills with a focus on clean UI and accessibility.