

Jay (Zijie) WANG

Australian Permanent Resident ☎ +61 0490407301 ✉ wzj401502400@gmail.com 📍 Melbourne 

SUMMARY

- Extensive experience in full-stack web application development across both frontend and backend.
- Proficient in **C#, JavaScript** (React, Next.js), **MVC**, Java and responsive UI/UX web design.
- Skilled in **Azure**, **CI/CD** pipelines using **GitHub Actions**, Docker and application deployment.

SKILLS

Languages: TypeScript, JavaScript, Java, C#, Python, SQL

Frameworks & Libraries: React, Next.js, Node.js, ASP.NET Core, Tailwind CSS, RESTful APIs, GraphQL

Databases: MySQL, MongoDB, Oracle

Cloud, DevOps & Testing: Azure, Docker, CI/CD, Git/GitHub, GitHub Actions, Maven, JUnit, Jest

PROJECTS

AU Manager - Project Management Web App

- Built a full-stack project management web application with **React**, **TypeScript**, **Express** and **PostgreSQL**, supporting project, task and workspace management.
- Developed interactive **Kanban**, list and timeline views, with **task assignment**, labels, activity tracking and workspace member management.
- Integrated **Clerk authentication** and backend APIs with **Drizzle ORM** for secure user access and persistent application data.

Tech: React, TypeScript, Node.js, Express, PostgreSQL, Drizzle ORM, Clerk

Battle of Wits - Gamified Trivia Platform

- Built a full-stack gamified trivia platform with **Node.js**, **Express** and **MySQL**, supporting level-based quizzes, multiple quiz modes, achievements, player progression and persistent game history.
- Implemented secure authentication and role-based access control using **bcrypt** and **express-session**, with protected user and admin routes.
- Integrated the **Open Trivia DB API** for dynamic quiz generation and designed a normalised MySQL database to manage players, sessions, achievements and unlocked levels.

Tech: Node.js, Express, MySQL, JavaScript, Docker

ATSYS No-Code Solution for InfluxDB

- Integrated InfluxDB with **Express**, building **REST APIs** and **Flux-backed queries** for seamless **React** frontend data access.
- Developed metadata APIs powering a **visual query builder**, eliminating manual Flux scripting for users.
- Containerized the application with **Docker Compose** for consistent development and deployment environments.

Tech: React, Vite, InfluxDB, Flux, GraphQL, Grafana, Docker, Jest

EDUCATION & CERTIFICATIONS

Adelaide University

Master of Information Technology

Graduation: July 2026

Microsoft Certified: DevOps Engineer Expert (AZ-400) - 2026

Microsoft Certified: Azure Administrator Associate (AZ-104) – 2025

EXPERIENCE

Shanghai Essen Fiber Biotechnology Co., Ltd

New Media Content Operator

Shanghai, China

Mar 2023 - Feb 2024

- Analysed platform performance data and user engagement trends to support content strategy and data-driven decision-making.

Shanghai Huangpu YaoQin Post Coin Studio

New Media Operations Manager

Shanghai, China

Jul 2021 - Feb 2023

- Coordinated day-to-day digital platform operations and improved workflows to enhance user experience and operational efficiency.