Eddy ZHANG

Sydney, NSW, 2015 | eddy.zhang24@gmail.com | +61 468 761 056

 linkedin.com/in/eddy-shousen-zhang | Portfolio: View Online | github.com/ShousenZHANG

Summary

Skilled **Full-Stack Software Engineer** with **3 years of full-time industry experience** and **5 years in total development**. Specialized in **backend systems**, **modern frontend architectures**, and **DevOps automation**. Detail-oriented and **adaptable**, with a strong passion for **team collaboration** and **continuous improvement**.

Professional Experience

Shanghai Newtouch Software Co., Ltd.   Shanghai, China
Backend Developer   Aug 2022 - Aug 2023

- Developed scalable banking services using **Java**, **Spring Boot**, and **RESTful APIs** in a **20-person Agile team**.
- Built a **socket-based file transfer tool**, streamlining delivery workflows and reducing manual effort by **20%**.
- Collaborated with QA to test and debug backend APIs using **Swagger** and **JUnit**, improving system reliability.
- In an **Agile** setting, proficiently used **Git** for version control, including feature branching and code integration.
- Wrote **Oracle stored procedures** to perform weekly table sharding in production when data volume exceeded **10 million records**, reducing query latency from **900 ms to 550 ms** for recent data scans and improving performance by **40%** through smaller scan ranges.
- Migrated services from physical servers to a **cloud-native architecture**, using **Docker Compose** to automate deployments and **MinIO** to offload large file storage from the database, reducing deployment time by **30%**.

ZHONGGE Network Co., Ltd.   Suzhou, China
Software Engineer   Jun 2020 - Jul 2022

- Designed and implemented scalable **CRUD** operations, improving system reliability and maintainability.
- Collaborated in **cross-functional Agile teams** to refine business requirements and implement API design best practices that enhanced maintainability and scalability.

Education

The University of New South Wales   Master of Information Technology   Sydney, Australia
                                                                            Sep 2023 – Jun 2025

- WAM: 82.4/100 | Awarded with **Excellence Honours**

Jiangsu University of Science and Technology   Bachelor of Engineering   Jiangsu, China
                                                                            Sep 2016 – Jun 2020

Projects

Personal Portfolio Website   Oct 2025

- Designed and developed a fully interactive **personal portfolio website** from scratch to showcase professional projects and technical expertise, demonstrating complete front-end ownership and deployment proficiency.
- Built immersive 3D and motion experiences using **React**, **JavaScript (ES6+)**, **Three.js**, **GSAP**, and **Tailwind CSS**, delivering **100% cross-device compatibility** and **90 FPS animation performance**.
- Integrated **EmailJS** to automate contact form messaging with dynamic templates, achieving **instant response delivery (<1s latency)** and improving recruiter engagement efficiency.
- Deployed on **Vercel** with automated CI/CD, bundle optimization, and image lazy loading — achieving **99%+ Lighthouse performance score** and reducing page load time by **35%**.
- Demonstrated advanced knowledge in **modern front-end architecture**, **JavaScript optimization**, **UI/UX design**, and **DevOps deployment best practices**.

Capstone Project – Scalable Competition Platform for Open Innovation   Apr 2025
 Project GitHub Repository
Runner-up, Best Project in AI for Education, Coding Fest 2025

- Built a high-availability competition platform with **7+ Spring Cloud microservices**, using **OpenFeign** and **Nacos** for service discovery and inter-service communication.
- Integrated **MinIO object storage** for large file storage, reducing DB load and enabling scalable deployment.
- Delivered **CI/CD automation** with **Jenkins** and **Docker Compose**, achieving **95%+ environment consistency** and reducing deployment/setup time by **80%**.
- Implemented **OAuth login** (GitHub/Google) and **JWT-based SSO**, enhancing login experience and data isolation across user roles.
- Built fine-grained **role-based access control** (organizer, participant, judge), improving multi-tenant security and reducing unauthorized access by **90%+**.
- Enabled reliable async messaging via **RabbitMQ** with **100% success rate** for event workflows and notifications.
- Secured APIs via **Gateway-level JWT filters** and **Redis blacklisting**, blocking **90%+** invalid access attempts.

China Construction Bank Insurance Technology Platform Framework   Aug 2023
Developed at Shanghai Newtouch Software Co., Ltd.

- Maintained and extended a scalable and modular **platform framework** to support the insurance business team in conducting secondary development, reducing development time by **30%** and improving system flexibility.
- Developed and optimized a **file-based batch processing tool** for large-scale data loading and unloading, reducing processing time by **35%** and enhancing system reliability.
- Maintained a secure file transfer service with **authentication** and header-based permission checks, blocking **99%** of unauthorized access, improving efficiency by **60%**, and automating deployment with **Shell scripts**.

Skills

Core Skills:

- **Programming Languages:** Java, JavaScript, TypeScript, Python, C#(.NET), Shell (Bash), SQL
- **Frameworks and Libraries:** Spring Boot, React, Redux, Tailwind CSS, Three.js, GSAP, JUnit
- **DevOps & Cloud Tools:** Jenkins (CI/CD), Git, Maven, Docker, Vercel, AWS (basic), RabbitMQ, MinIO
- **Databases:** MySQL, PostgreSQL, Oracle, Redis

Complementary Skills:

- **Frontend Development:** HTML5, CSS3, Responsive Design, Vite, Framer Motion
- **API Development and Testing:** RESTful APIs, Postman, Swagger
- **Agile & Collaboration Tools:** Jira, Agile Scrum Workflow, Confluence