

Eddy ZHANG

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LinkedIn: www.linkedin.com/in/eddy-shousen-zhang | Full-Stack Developer | Java & React & Docker

Summary

Skilled Software Engineer with **3 years of full-time industry experience** and a total of **5 years** in software development. Specialized in **backend development**, production workflows, and system optimization. Detail-oriented and **adaptable**, with a **strong passion for teamwork** and **collaboration** across diverse teams. **Quick to learn new skills** and **proactive in solving real-world problems**.

Professional Experience

Shanghai Newtouch Software Co., Ltd.

Backend Developer

Shanghai, China

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.

Software Engineer

Suzhou, China

Jun 2020 - Jul 2022

- Designed and implemented scalable **CRUD** operations, improving system reliability and maintainability.
- Participated in weekly cross-functional meetings to discuss project requirements and contributed ideas, while implementing **API design** best practices to enhance system scalability and maintainability.

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

Scalable Competition Platform for Open Innovation (UNSW Capstone Project)

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 (Advanced), Python, C#(.NET), Shell (Bash), SQL
- **Frameworks and Libraries:** Spring Boot, React, JUnit
- **DevOps & Cloud Tools:** Jenkins (CI/CD), Git, Maven, Docker, AWS (basic), RabbitMQ, MinIO
- **Databases:** MySQL, PostgreSQL, Oracle, Redis

Complementary Skills:

- **API Development and Testing:** RESTful APIs, Postman, Swagger
- **Agile and Collaboration Tools:** Jira, Agile Scrum Workflow
- **Frontend Development:** JavaScript, HTML5, CSS3