

# Ryan Zheng

Visa: Permanent Resident | hzheng40@syr.edu | (630) 819-7574 | linkedin.com/in/ryan312

## SUMMARY

A Java Developer with 2 years' experience in full-stack development. Proficient in Java, React, Angular, Spring Boot, microservices and OOP. Skilled in SDLC, building scalable, high-performance applications.

## TECHNICAL SKILLS

**Languages:** Java (8/11/17), JavaScript, TypeScript, Python, C/C++

**Frameworks:** Spring Boot, Spring MVC, Hibernate, MyBatis/Plus, React.js, Angular, Flask

**Databases:** MySQL, Redis, MongoDB, Elasticsearch, Firebase, MinIO, AWS RDS, AWS S3

**Web:** Angular, React.js, HTML, CSS, Bootstrap, jQuery, Redux, FreeMarker, jsp

**Microservices:** Eureka, Nacos, OpenFeign, Gateway, Config Center, Resilience4j, Sentinel, Seata

**DevOps:** AWS, Docker, Jenkins, Linux, Nginx

**Middleware:** RabbitMQ, Kafka, ELK stack, Flink, Redisson, xxl-job

**Testing and tools:** Git, Jira, Agile, JUnit, Postman, Mockito, Jmeter, Swagger, POI, Maven, Gradle

## WORKING EXPERIENCE

### Software Engineer

06/2020 – 01/2022

*Weiye Holdings (HK.1570)*

*Shenzhen, China*

- Developed full-stack features for **Xingsheng Mall**, an online shopping app using **microservices architecture**. Managed points, products, orders, and shopping carts within the marketing microservice. Participated in **system design**, API development using **Spring Cloud, Spring Boot, Hibernate, MySQL**, and **React**.
- Designed an authentication service using **Spring Security**, supporting login via username-password, mobile/email verification code, and Google **OAuth2**, Reducing unauthorized access by **40%**.
- Implemented search using **Elasticsearch**, designed indices, used **Flink** to Sync **MySQL** and Elasticsearch, and built an **ELK** log platform to aggregate and retrieve logs of microservices. Reducing Api response time from **170ms** to **30ms**.
- Used **Kafka** to implement delay queue and decouple workflows, improved performance by **50%**.
- Scheduled computation: Used **xxl-job** to perform daily calculations based on user behavior data and stored popular data products in **Redis** to enhance user experience by loading Api **40%** faster.
- Real-time computation: Used **Kafka Stream** to compute real-time popularity data and update **Redis** and **Elasticsearch** for trending data searches, improved system performance by **50%**.
- Designed appropriate rate-limiting rules and fallbacks, including **Resilience4j** for microservice rate limiting and **Redis**-based user behavior rate limiting.
- Used **WebSocket** to enable real-time conversations between consumers and customer service. Reduced data latency by **70%** and increased user retention by **30%**.
- Streamlined auto deployment with **Jenkins** and **Docker**, cutting time by **50%** and downtime by **30%**

### Software Engineer Internship

07/2019 – 11/2019

*Sino-Ocean Group (HK.3377)*

*Shenzhen, China*

- Developed and Optimized lottery business system Apis, including code, mock testing, and stress testing, using **Spring Boot, Hibernate, SpringMVC, SpringCloud, Jmeter, Mockito, Apifox** and **Angular**.
- Implemented distributed locking with **Redisson** in the lottery process to prevent overselling.
- Used **Redis** to cache anti-duplication tokens when submitting lottery confirmation requests, ensuring the idempotency of the lottery interface.
- Utilized **RabbitMQ** to synchronize lottery results with the order system.

## EDUCATION

Syracuse University	GPA:3.8/4	-Master of Computer Science	09.2022 - 05.2024
Harbin institution of technology	GPA:3.3/4	-Bachelor of Engineering	09.2016 - 06.2020