

Jian Chang

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HIGHLIGHTS

Software Engineer with 4 years of experience in **backend architecture**, **cloud-native applications**, and **DevOps**, specializing in scalable systems built with **Spring Boot**, **MyBatis**, and **Azure AKS**.

Proficient in designing and optimizing **microservices** and **distributed systems** using **Docker**, **Kubernetes**, **Apache Kafka**, and **Redis**, ensuring high availability and performance.

Experienced in **database design**, **logging**, and **monitoring**, leveraging **Azure MySQL**, **Elasticsearch (ELK Stack)**, **Sentry**, and **Consul** for **service discovery** and **configuration management**, improving system observability and fault diagnosis.

EXPERIENCE

Vibrant Wellness

Santa Clara, CA

Software Engineer - Backend

August 2021 - Feb 2025

- **Order and Billing System Development**

- * Developed and enhanced the order processing system using **Java**, **Spring Boot**, **MySQL**, and **Redis**, improving efficiency and ensuring smooth order execution.
- * Optimized database performance by implementing **Redis** caching and **MySQL** indexing, significantly reducing query latency and improving response times.
- * Integrated **Kafka** messaging to enable reliable order update communication with downstream systems, ensuring data consistency and minimizing delays.

- **Cloud Migration and Deployment Automation**

- * Migrated order and billing services from on-premise to **Azure AKS** and **Azure MySQL**, making the system more reliable and scalable.
- * Used **Docker** to containerize applications and deployed them on **Kubernetes (AKS)**. Configured **Nginx Ingress** to manage traffic, ensuring secure and efficient access.
- * Built and automated **CI/CD** pipelines with **Jenkins**, **GitHub Actions**, and **Azure Docker Registry**, making deployments faster and reducing manual errors.

- **Logging Enhancement**

- * Implemented **ELK Stack (Elasticsearch, Logstash, Kibana)** for real-time monitoring and analytics, improving log searchability and system observability.
- * Optimized **Elasticsearch** index settings by fine-tuning shard allocation, replica distribution, and refresh intervals, reducing query latency and enhancing search efficiency.
- * Configured **x-request-id** for trace context propagation across microservices, enabling end-to-end request tracking across both synchronous and asynchronous operations.

Yeaher Inc

New Castle, DE

Java Developer

September 2020 - July 2021

- **ERP and Warehouse Management System Development**

- * Developed an **ERP** and **warehouse management system** using **Spring Boot** and **MyBatis**, improving operational efficiency.

EDUCATION

University of North Alabama

North Alabama, USA

Bachelor's Degree in Computer Science

2015 - 2020

TECHNICAL SKILLS

Backend & Microservices:

Java, Spring Boot, MyBatis, RESTful APIs, gRPC, Apache Kafka, Webhooks

Cloud & DevOps:

Azure AKS, Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD Automation

Databases & Caching:

Azure MySQL, Redis, Redis Pub/Sub

Logging & Monitoring:

Elasticsearch, Kibana, Logstash (ELK Stack), Consul, Sentry