

# Zhao Kaijie - Senior Java Developer

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🌐 [Personal Blog](#) 🏢 8 Years Backend Development Experience

🎓 East China University of Technology

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## 🏆 Core Competencies

- **Full-stack Java Expert:** 8 years Java development experience, proficient in Spring ecosystem (**Spring Boot/Spring Cloud/Spring Data/Spring Security**) for building highly available systems. Solid understanding of data structures and design patterns.
  - **Architectural Design:** Led design of high-concurrency distributed systems with microservices architecture, implemented service decomposition and circuit-breaking mechanisms.
  - **Abstract Business System Design:** Capable of rapidly abstracting business requirements into system workflows for efficient development.
  - **Technical Innovation:** Lead designer of championship solution in Ctrip 2021 Hackathon Programming Competition.
  - **Industry Expertise:** Specialized in fintech domain with deep understanding of risk control systems and payment clearing architectures.
  - **Code Excellence:** Contributor to open-source documentation, passionate about algorithms and clean code.
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## 🔧 Technical Stack

### Backend Technologies

#### Core Frameworks

Spring Boot, MyBatis Plus, Spring JPA, Spring Security, Quartz, SLF4J

#### Architecture

Spring Cloud, Microservices, Distributed Transactions, Circuit Breaking, Nacos

#### Middleware

Redis, KafkaMQ, Apollo

### Databases

Oracle, MySQL, SQL Server, SQL Optimization, Read/Write Separation

## Engineering Capabilities


JVM Tuning, CI/CD Pipeline, Jenkins, Docker, K8S

## Technical Literacy

**Continuously learning through deep-dive analysis of Spring Framework source code (English documentation). Capable of quickly mastering new open-source projects. Expert in applying design patterns.**

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## Professional Experience

 Citigroup Finance (Shanghai) | Senior Software Engineer (2022.09 - Present)

**Fixed Income Project Team** | Real Estate Finance

- **Business Development** (SpringBoot SpringData-JPA SQLServer Kafka Redis K8S Jenkins(CI/CD) Microservices) Developed and maintained a business management system for **U.S. municipal projects** (CRA/LIHTC). The system provides end-to-end management including **corporate intent management compliant with regulations, full lifecycle deal management** (due diligence, loan agreement negotiation, pricing, credit approval, process approval), automated account opening, budget management, fund disbursement, and post-loan collateral management. Responsible for system integration and data governance: achieved seamless integration with upstream/downstream systems through diverse technical solutions; established data reconciliation processes ensuring cross-system consistency while automating business reports and financial audit data.
- **Technical Development**  
Developed **Historical Data Comparison Component** widely adopted across Citigroup backend services.  
Created **Distributed Lock Component** with polymorphic extensibility, currently in production use.

 Ctrip | Senior Backend Engineer (2021.01 - 2022.09)

**Transportation Business Unit** | Rail Ticketing

**Responsibilities** - Owned development and maintenance of rail ticketing system components - Conducted code reviews and frontend page development for business systems - Designed system interface standards and implementation - Collaborated with product team on development planning - Monitored production systems to prevent failures


## Key Projects:

**E-Ticket Platform Development** (SpringBoot Mybatis MySQL Kafka Redis K8S Distributed Transactions Quartz Microservices) - Led development of core modules including order distribution, supplier management, and financial reconciliation - Implemented Redis-based distributed locking and asynchronous data processing with MQ - Optimized SQL queries for ticket reservation system, achieving 3x performance improvement - Developed payment module using Redis distributed locks and database optimistic locking

 Ping An Consumer Finance | Java Engineer (2020.01 - 2021.01)

**Risk Control Technology Department** | FinTech

**Key Contributions - Risk Control System Integration:** Implemented AOP aspect for risk assessment with custom annotations - **Mall Order System:** Designed public transfer module using optimistic locking and Redis-based retry mechanism - **Basic Information Service:** Rebuilt data distribution system with Redis caching, improving query performance by 70% - **Account Opening System:** Developed bank account verification interfaces with Redis-based data validation

 Shanxi Golden Pomegranate Network Technology Co., Ltd | Java Mid-Level Engineer (2017.01 - 2019.12)

**Development Department** | Project Engineering Executed end-to-end backend code development for core systems, translating 50+ business requirements into production-ready solutions with 100% on-time delivery rate Optimized legacy codebase through standardized refactoring, reducing system error frequency by 35%

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## Technical Achievements

- Champion of Ctrip 2021 Hackathon [Project](#)

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## Technical Influence

- Open-source contributor (libgdx-doc)

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## Additional Information

- **English Proficiency:** Fluent in technical documentation reading
- **Technical Pursuits:** Continuously researching various architectures. Exploring OpenGL and Java game framework [LIBGDX](#)