

Contact Information

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Personal Information

- Rao Xiang / Male / 1993
- Bachelor's Degree / Department of Information Science and Engineering, Wuhan University of Science and Technology
- Work Experience: 10 years
- Personal Blog: <http://luoziyihao.com>
- Github: <https://github.com/luoziyihao>
- Desired Position: Backend Engineer
- Expected Salary: Negotiable
- Preferred City: Shenzhen

Project Experience

Shenfei Interactive (April 2018 ~ July 2024)

Overseas Video Social App Hotalk

Background

With domestic operations running smoothly, the company decided to expand into overseas markets with the video social product Hotalk.

Responsibilities

Oversee all backend operations for Hotalk.

Actions

- Built the entire backend application from scratch.
- Integrated Hotalk with the domestic app, enabling cross-server and cross-platform IM and video chats.
- Researched and implemented a BI system.
- Assembled a backend team from the ground up.
- Coordinated with product and operations teams to plan requirements and allocate backend resources.

Results

- The product was ready for testing within one month and met launch standards within two months, followed by rapid iterations and significant data growth.

Huakai App

Background

Joined the team as a technical partner to support the company's video social product.

Responsibilities

Managed all backend technical work for Huakai App, ensuring system stability and smooth iterations.

Actions

- Established backend infrastructure from scratch, including monitoring, code review, deployment, and logging systems.
- Conducted system refactoring to address daily pain points, including cache usage, boundary calls, trace call chains, uid service, push asynchronization, RPC calls, and distributed tasks.
- Developed technical standards from scratch, covering release protocols, new application planning, Java application standards, and MySQL standards.
- Created project workflows from scratch.
- Built a backend team from the ground up.
- Coordinated with product and operations teams to plan requirements and allocate backend resources.

Results

- Provided strong technical support for the company's product, ensuring system stability and smooth product iterations.

Qunar (June 2017 ~ April 2018)

Qunar Travel Monopoly Quiz Project

Background

With quiz-based cash rewards gaining popularity, Qunar launched its own quiz project to attract new users at a low cost.

Responsibilities

As the backend lead, oversaw all backend operations for the project.

Actions

- Collaborated with product, business, and frontend teams to finalize the project plan.
- Created project schedules, assigned tasks, and managed progress.
- Led backend and frontend teams in finalizing technical integration plans.
- Conducted backend system design and wrote core code.

Results

- The project launched on time and ran stably.

- Handled a peak TPS of 780, with an average response time of under 10ms for quiz interfaces.
- Attracted nearly 1.5 million active users, meeting the target.

Qunar Accommodation Advertising Sales System

Background

Qunar's accommodation advertising sales initially operated offline. A transaction system was needed to allow merchants to purchase ad space online.

Responsibilities

As the backend technical lead, oversaw all backend operations for the project.

Actions

- Collaborated with product, business, and frontend teams to finalize the project plan.
- Created backend schedules, assigned tasks, and managed progress.
- Led backend system design and wrote core transaction code.
- Established backend team standards and implemented them within the team.

Results

- The project launched on time and ran stably.
- Advertising sales increased by 80% in the first month post-launch.

Woying Interconnect (Beijing) Network Technology Co., Ltd. (October 2015 ~ June 2017)

Kirin Gold

Background

In early March 2017, the company urgently launched a gold investment-TD project. Starting from scratch, backend work began before resources were fully allocated and the product form was finalized.

Responsibilities

As the core backend lead, oversaw backend team operations.

Actions

- Collaborated with the product team and CTO to finalize the business direction.
- Led backend team in business modeling, technical modeling, and system design.
- Created backend schedules, assigned tasks, and managed progress.
- Designed backend system architecture and wrote core framework code.
- Established backend team standards and implemented them within the team.

Results

- Design phase: Completed business modeling, technical modeling, and system design, earning CTO approval.

- Development phase: Development proceeded as planned, but the project halted at 60% completion due to company funding issues.

Kirin Precious Metals

Background

After graduation, joined Woying Interconnect's backend team. The company's product had just launched, and the backend system was unstable, frequently crashing, with many features needing development.

Responsibilities

As a backend engineer, developed new features while maintaining the backend system.

Actions

- Developed a backend system rollback script using Python to ensure quick service recovery.
- Implemented a concurrency lock component using Redis to address business errors caused by concurrent requests.
- Analyzed database configurations, Spring transaction settings, and related code to resolve high MySQL sleep thread issues, refactoring configurations to improve the situation.

Results

The project stabilized, and server crashes ceased.

Skills

Backend

Proficient

- Languages: Java/Python/Shell/Awk/Sed
- Java Frameworks: Springboot/Mybatis/Hibernate
- Databases: MySQL/Redis
- Version Control, Documentation, and Deployment Tools: Git/Jenkins/Nexus
- Cloud and Open Platforms: AWS EC, Alibaba Cloud ECS
- Documentation: Markdown
- Code Review: Phabricator
- System Monitoring: Cat

Familiar

- Databases: Elasticsearch/MongoDB
- Python Frameworks: Sqlalchemy/Django

Frontend

- Languages: ES6/HTML
- Frameworks: React/Redux/Antd/Bootstrap/JQuery

- Build Tools: Webpack
- Languages: CSS

Acknowledgments

Thank you for taking the time to review my resume. I look forward to the opportunity to work with you.