Personal Infomation

Name: Zhuyinghu **Gender**: Male
Phone：08613916034203 **Birth Date**：1978-05
Email: yzhu@yzhu.name **Website**: https://www.yzhu.name/
Graduation: Xidian University **Graduation date**：2002-07
Major: Computer Science and Technology **Degree**: Bachelor
Desired Position: Architect, Technical Exper

Self-Evaluaiton

I am a dedicated and responsible worker who takes initiative. I have extensive experience in internet system architecture and can adapt to working across time zones. I specialize in high-concurrency, distributed, and microservices system architecture. In my past work, I have led the architectural design of multiple large-scale systems, such as upgrading monolithic applications to microservices architecture and performing database sharding. When devising architectural solutions, I consider cost and benefits, proposing risk-controlled and feasible solutions. My architectural plans fully leverage the capabilities of developers, testers, DBAs, SREs, and other roles to ensure sustainable execution of the architecture. From a technical perspective, I am proficient in popular development languages and frameworks like Java and Spring Cloud, as well as various middleware technologies. I have extensive experience in secondary development on middleware such as RPC, databases, Redis, and RabbitMQ. Additionally, I excel at quickly analyzing and resolving technical issues that arise in production environments.

Technical Keywords

Distributed, High Concurrency, Microservices, RPC, MQ, Redis, MySQL, Java, JVM, SpringCloud, Registry Center, Configuration Center, Sharding, Prometheus, Task Scheduling Center, Tracing

Work Experience

2019/03 —2023/12	Litbinthebox	Architect
2018/04 —2019/03	Mgzf	Architect
2016/04 — 2018/04	YHD	Architect
2015/05 -- 2016/03	Adchina	Senior Software Engineer
2012/10 — 2015/5	Meihuichina	Senior Software Engineer
2006/10 -- 2012/09	Deepdyve	Software Engineer
2005/8 -- 2006/08	Ndd	Software Engineer
2002/07 -- 2005/07	Xi'anBeili	Software Engineer

Project Experience

Project Name: Litbinthebox Infrstructure Found

Compay：Litbinthebox

Project During：2019/03 —2023/12

Technologies：Linux, Java, Springcloud, gRPC, MySql, Redis, Rabbitmq, Jaeger, Prometheus, k8s

Project Desction：Before this, the company lacked a unified technical framework, with different teams using various technology stacks. For example, gRPC and Hession coexisted as RPC protocols, and both ActiveMQ and RabbitMQ were used as message queues, lacking a unified standard. Technical protocols and agreements relied solely on documentation and verbal communication, leading to low development efficiency and poor system stability.

Main Responsibility：Led the establishment of the basic architecture system from scratch, unified technical specifications, provided unified basic components for backend systems, including: gRPC integration with SpringCloud, database access components, service discovery components, cache access components, MQ access components; reduced system development costs, improved development efficiency, and enhanced system stability, ensuring the effective implementation of development standards. Additionally, implemented a unified monitoring and alerting plan, with response times controlled within 5 minutes even for faults occurring in the early morning.

Project Name: Litbinthebox Midle Daily Architecture work

Compay：Litbinthebox

Project During：2019/03 —2023/12

Technologies：Linux, Java, Springcloud, gRPC, MySql, Redis, Rabbitmq, Jaeger, Prometheus

Project Desction：The e-commerce platform's core includes subsystems like products, orders, and payments, providing various shared services and functions to support the stable operation and continuous development of the entire e-commerce system. The platform enhances system efficiency and flexibility by providing shared services and functions to each subsystem.

Main Responsibility：Led multiple system architecture transformations, including the refactoring from monolithic to service-oriented architecture, and the reconstruction of order, payment, and user systems, resulting in a 5% increase in payment success rate; database splitting to make business databases independent and archiving historical data, improving database performance by 30%; migration of session and data caches, significantly enhancing system stability, especially in Failover and scaling scenarios, enabling seamless completion and greatly improving system availability. Specific work includes plan formulation, system design, online process planning, and daily tasks such as technical recruitment, member technical guidance, technology selection, Code Review, SQL review, online system maintenance, etc.

Project Name: Rebuild MicroService

Compay：   Mgzf

Project During：2018/04 —2019/03

Technologies：Linux, Java, Springboot, MySql, Redis, Kafka, Dubbo,Zipkin, Prometheus

Project Desction：Before the rebuild, the system was running as a single application, characterized by high complexity, poor scalability, and reliability, and low development efficiency, unsuitable for the rapid iteration characteristics of the internet.

Main Responsibility：Built a company-appropriate RPC framework based on Dubbo; led the entire project's rebuild, including technology selection, plan formulation, system design, and promoting the business team's migration to the new technical system, ultimately stably supporting 200 million RPC calls per day.

Project Name: Architecture Work for Product and Order Teams
Compay: YHD
Project During: 2016/4 -- 2018/04
Technologies：Linux, Java, Spring, MySql, Oracle, Redis, MQ, RPC
Project Desction: The product service, as a basic service of YHD, provides product, category, supplier, and other information to all services of YHD, offering product-related interface services; the order service, as the core service of YHD's transaction process, provides interface services related to order splitting, order completion, shipping costs, etc.
Main Responsibility：Daily architecture work for the team, including technical recruitment, member technical guidance, technology selection, Code Review, SQL review, online system maintenance, etc., performance optimization, and some development work, ensuring 800 million/day calls for the product service and the reliability and stability of the order system at peak times of 10,000 orders per minute.

Project Name: Damo Reportservie
Compay: Adchina
Project During: 2015/7 -- 2016/3
Technologies：Linux, MySql, ODPS, OpenSearch, HSF, Garuda, Java, Scalar
Project Desction: Damo Mirror is a data product provided by Alibaba Mama to help advertisers study consumers and promote new products; Reportservice mainly unifies multiple data sources (Mysql, Garuda, ODPS, etc.) to provide a unified access interface for client components; it can automatically generate corresponding Java Beans, Java Interfaces, and basic Java implementation files based on the client's configuration, transparently completing cross-data source join operations, allowing client components to focus solely on their core business logic.
Main Responsibility：As a scrum master, responsible for driving project progress, controlling quality, and related development work.

Project Name: Intelligent Transportation Real-Time System
Compay: Meihuichina
Project During: 2012/11 -- 2015/5
Technologies：Linux, Oracle, JBoss, JMS, Java, Zookeeper, Redis, Python
Project Desction: The system real-timely accesses GPS data and mobile signal data, performs related calculations based on traffic algorithms, and outputs traffic status for Web, mobile app display, and open API data provision to third parties.
Main Responsibility：Architectural adjustment, separation of computing and publishing systems, facilitating the publishing system to support connections with multiple computing systems; introduction of Redis as a data cache to reduce database pressure; optimization of the computing system's algorithms to ensure completion of calculations for 1.8 million mobile signal and GPS data within 1 minute, and mapping of 150,000 traffic status points.

教育经历

1998/09 -- 2002/07：西安电子科技大学，计算机科学与技术专业就读