李德义

15207106328 ｜ lideyiwork@163.com ｜ 福建
男
求职意向：Java后端

教育经历

武汉理工大学（211）   2016年09月 － 2020年07月

工业工程 本科

专业技能

- **Java**：熟练掌握Java基础、集合、线程池、JUC、AQS、JVM内存管理和垃圾回收机制，有JVM排查问题经验

- **数据库**：熟练掌握MySQL数据库，索引、事务、锁、SQL优化

- **框架**：熟练掌握pring，Spring Boot，Spring Cloud框架等主流开发框架

- **高并发&高可用**：熟练掌握Redis缓存，高可用、分布式锁、持久化策略；RabbitMQ消息中间件，幂等性、顺序消息

- **计算机基础**：熟练掌握计算机组成原理、操作系统、数据结构和算法、计算机网络

- **其他**：了解Docker、JavaScript

工作经历

海康威视   2020年07月 － 2021年07月

Java后端开发工程师

一站式软件信息服务中心

汇聚软件注册、信息查询、资源下载、授权管理等服务的一站式软件系统

- 技术栈：Spring Cloud+Consul+Redis+RabbitMQ+MyBatis+PostgreSQL

- 负责软件产品授权管理模块的开发，包括产品模块配置、组件参数配置到授权激活码的生成。系统采用Spring Cloud+Consul作为微服务框架，基于RabbitMQ实现产品状态异步变更通知，基于Redis作查询缓存和分布式锁

- 负责授权管理流程的优化和重构。优化授权信息接口的SQL查询方式，接口响应速度由2s降低至100ms

- 通过将数据库间隙锁重构为分布式锁，降低了锁粒度，提高了高并发场景下授权激活码制作接口的吞吐量，Jmeter压测测得接口QPS由440提高到760

- 优化使用ThreadLocal保存授权信息，简化了多线程环境下信息读写

算法模型市场

提供算法模型的注册、查询以及对公司线上模型大赛的流程支撑

- 技术栈：Spring Boot+JPA+MariaDB+Nginx+Swagger

- 主导大赛模块的开发，包括模型文件上传、注解式请求身份校验、模型注册、模型审核、模型评审、奖项设置、邮件发送等

考研、考驾照   2021年07月 － 至今

- 原因：想加强计算机底层知识，跨专业考研厦门大学计算机与科学专业

- 结果：在复试环节被刷，但考研期间加强了自己的英语能力，同时也系统地学习了计算机的专业课知识，包括计算机组成原理、操作系统、数据结构和算法、计算机网络

个人项目

SpringServer

类似Spring Boot的轻量级HTTP 框架，基本不包含第三方库，使用JDK实现

- 内置HTTP服务器，手动实现GET和POST格式请求解析、HTTP的chunked分块传输编码，启动该框架无需额外依赖 Tomcat 之类的 web 服务器

- 服务器通过线程池启动，支持多并发请求监听处理

- 实现基于二级缓存的IOC 容器，支持singleton类型的bean，支持bean初始化和依赖bean注入，解决循环依赖问题；实现基于CGLIB动态代理的AOP，支持注解式的方法增强

- 支持Spring Boot常用注解，如@RequestMapping、@Component、@Autowired、@Before、@AfterThrowing等

Deyi Li

15207106328 | lideyiwork@163.com

Male

EDUCATION

Wuhan University of Technology (211)   Sep 2016 - Jul 2020

Industrial Engineering / Bachelor

SKILLS

- Java: Proficient in Java basics, collections, thread pools, JUC, AQS, JVM memory management and garbage collection mechanisms, and experience in JVM troubleshooting

- Database: Familiar with MySQL database, indexes, transactions, locks, SQL optimization

- Framework: Familiar with mainstream development frameworks such as Spring, Spring Boot, Spring Cloud framework

- High Concurrency & High Availability: Familiar with Redis cache, high availability, distributed locks, persistence strategies; RabbitMQ message middleware, idempotent, sequential messages

- Computer Fundamentals: Proficiency in computer composition principles, operating systems, data structures and algorithms, computer networks

- Other : Understanding Docker, JavaScript

EXPERIENCE

HIKVISION   Jul 2020 - Jul 2021

Java Backend Developer

HiCoo One-Stop Software Information Service Center

A one-stop software system that brings together services such as software registration, information inquiry, resource downloading, and authorization management

- Technology stack: Spring Cloud+Consul+Redis+RabbitMQ+PostgreSQL

- Responsible for the development of software product authorization management module, including product module configuration, component parameter configuration to the generation of authorization activation code. Spring Cloud+Consul is used as the microservice framework, RabbitMQ is used to realize asynchronous change notification of product status, and Redis is used as query cache and distributed lock

- Responsible for the optimization and reconstruction of the authorization management process. Optimize the SQL query method of the authorization information interface, and reduce the interface response speed from 2s to 100ms

- By reconstructing the database gap lock into a distributed lock, the lock granularity is reduced, and the throughput of the authorization activation code creation interface in high concurrency scenarios is improved. The Jmeter stress test measures the interface QPS from 440 to 760

- Optimize the use of ThreadLocal to save authorization information, which simplifies reading and writing information in a multi-threaded environment

Algorithm Model Market

Provide algorithm model registration, query and company model competition support

- Technology stack: Spring Boot+JPA+MariaDB+Nginx+Swagger

- Feasibility analysis and design of the system process architecture of the leading contest module
- Lead the development of the competition module, including model file upload, annotated request identity verification, model registration, model review, award setting, email sending

Postgraduate entrance exam + Driver's license exam   Jul 2021 - Present

Inter-professional postgraduate entrance examination Xiamen University Artificial Intelligence Research Institute. Although I was brushed in the re-examination, I strengthened my English ability during the postgraduate entrance examination, and also systematically learned the knowledge of computer professional courses, including the principle of computer composition, operating system, data structure and algorithm, computer network, for the future in the IT field.

PERSONAL PROJECT

SpringServer

A lightweight HTTP framework similar to Spring Boot, which basically does not contain third-party libraries and is implemented using JDK

- Built-in HTTP server, manually implement GET and POST format request parsing, HTTP chunked block transfer encoding, start the framework without additional dependence on web servers such as Tomcat
- The server is started through a thread pool and supports multiple concurrent request monitoring and processing
- Implement the IOC container based on the second-level cache, support singleton type beans, support bean initialization and dependency bean injection, and solve the problem of circular dependencies; implement AOP based on CGLIB dynamic proxy, and support annotation-based method enhancement
- Support Spring Boot common annotations, such as @RequestMapping, @Component, @Autowired, @Before, @AfterThrowing, etc.