Gong Hanjin's Resume

personal information:

- Sex: Male
- Email: richardgong1988@gmail.com
- Mobile number: 18588871362
- github address: https://github.com/richardgong1987
- Expected position: java development
- Software development experience: 11 years+

Professional ability introduction

Basic knowledge of programming:

Algorithm and data structure

Have a solid data structure and algorithm foundation:

- Algorithm complexity analysis
- Linear data structure, logical data structure, such as: array, tree, graph structure, red-black tree, hash table, etc.
- Basic algorithm

Understand the principle of thread pool

- Understand how threads work
- Custom thread pool

Understand common design patterns and principles

Design Principles:

1. Principles of opening and closing, single responsibility and Richter substitution
2. Rely on the principle of inversion, interface isolation, and composite multiplexing
3. Dimit's Law

Design Patterns:

- Creation mode: singleton mode
- Structural model: agency model
- Behavioral model: template method, strategy and observer model

Distributed framework knowledge

Skilled distributed messaging middleware:

RocketMQ aspect:

1. Understand RocketMq module division and cluster principle
2. Understand common messages, sequence messages, transaction messages, and timing messages

Kafka:

1. Understand the Kafka cluster construction and use
2. Understand the Kafka replica mechanism and election principles
3. Understand the principle of Kafka architecture design
4. Understand the implementation principle of a large-scale log system based on Kafka

Familiar distributed storage middleware:

Redis side:

1. Understand Redis Cluster cluster architecture and deployment
2. Understand Redis cache penetration, cache invalidation, and cache avalanche
3. Familiar with various data structures of redis and use them proficiently in projects

Familiar distributed framework:

Zookeeper aspect:

- Familiar with zookeeper configuration and application
- Understand the principle and source code of zookeeper

On Consul:

- Understanding Consul

Microservice knowledge

- Familiar with the history of service architecture changes
- Familiar with the design of various service architectures
- Understand the advantages and disadvantages of various service architectures

SQL knowledge

- Familiar with the use of MYSQL, ORACLE database products
- Proficient in SQL business table design
- Familiar with the application of SQL addition, deletion and modification
- Have some experience in Mysql performance tuning
- Have a certain understanding of database high concurrency architecture design.

Knowledge of Internet Tools

Git

- Familiar with Gitlab/gitolite server to quickly build
- Familiar with the core commands of Git
- Many years of Git enterprise application practice
- Familiar with git workflow

Maven

- Understand the Maven life cycle
- Understand the Maven plugin system
- Familiar with Maven core commands
- Familiar with Maven's pom configuration system

Jenkins

- Understand the overall Jenkins architecture
- Familiar with Jenkins for continuous integration
- Familiar with Jenkins plug-in system

Linux

- Familiar with common commands of Linux operation and maintenance
- Understand Linux users and permissions
- Familiar with Shell script programming

Virtual container

docker aspect:

- Familiar with the use of DockerFile
- Familiar with DockerCompose integrated application portfolio
- Understand the implementation of Docker service orchestration

Kubernetes:

- Understand the construction and use of Kubernetes production cluster environment

Summary of project experience and practice:

- There is a certain billion-level traffic platform design
- Distributed call chain platform

java knowledge

java basics

-
  - Familiar with java reverse mechanism
  - Familiar with dynamic proxy mechanism
  - Familiar with servlet
  - Familiar with the use of JDK tools

JVM performance tuning:

Understand the following core technologies of JVM

1. Memory structure
2. Garbage collection
3. Class loading and bytecode technology
4. Memory model

Have certain experience in JVM performance tuning

Understand ThreadLocal

- Understand the ThreadLocal source code
- Understand the difference between ThreadLocal and Synchronized
- Familiar with ThreadLocal applications

Understand NIO

- Understand the difference between NIO and blocking I/O
- NIO principle and communication model

Understand common java framework source code

- Understand the Spring IOC source code and be able to customize IOC
- Understand the Spring Aop source code and be able to customize AOP
- Understand the Spring MVC source code and be able to customize MVC
- Understand Spring annotation development and be able to customize annotations
- Understand the new features of Spring 5
- Understand the source code and principle of the ORM framework MyBatis

Familiar with Springcloud-based microservice architecture

- Familiar with the configuration of registry products, such as euroke, zookeeper, consul, and Nacos, understand the advantages and disadvantages of various registry products, and understand their source code and principles
- Familiar with feign declarative calling components, familiar with the application of fuse components, such as hystrix, sentinel fuse configuration and application, and the use of Ribbon load balancing, and understand its source code and principles
- Familiar with the application of microservice gateway product components, such as: zuul, springcloud gateway configuration and use. Zipkin+Sleuth, skywalking link tracking technology, and understand its

source code and principle

- Familiar with message middleware processing such as Kafka, RocketMQ cluster construction and application.
- Familiar with distributed configuration center component applications, such as: apollo, springcloud config

node.js knowledge

Understanding V8 diagnosis

- Have a little diagnostic experience with the v8 engine

Javascript/typescript basics

- Proficient in ES6/7, familiar with typescript grammar system and various details of application.
- Proficient in typescript, ES6/ES7 object-oriented programming

Node.js service framework

- Familiar with the use of nestjs architecture to build node.js server-side development
- Familiar with socket.io to build websocket real-time communication applications
- Proficient in express.js, loopback.js server-side framework, and proficient in its source code and principles
- Familiar with tools based on the node.js ecosystem, such as:
  - Java's rapid development platform jhipster
  - Webpack
  - rollup
  - yoman
  - npm
  - Gulp

Front-end knowledge

Front-end basics:

- Proficient in DOM interface
- Proficient in css3, css4
- Proficient in client-side javascript
- Proficient in desktop application development, such as: exe application development under window.

Front-end framework:

- Proficient in mvvm application development based on React.js 17.x +, angular 9+Ivy
- Proficient in application development above vue3.0
- Proficient in jquery applications
- Proficient in mobile development based on ionic6.x
- Familiar with semi-native development based on codova

Front-end ecology:

- Familiar with various front-end npm ecological packages
- Familiar with a variety of admin template template applications
- Familiar with a variety of front-end UI frameworks, such as: elementUI, bootstrap, ionic5.x UI, electron native desktop applications

work experience:

2021.1-Present Nisshin System Co., Ltd.

Location: Omori North, Ota-ku, Tokyo

Position: Senior java development engineer

Technology stack:

javalin

comsDB

react

Work content:

1. Business realization
2. Bottom realization of project technology
3. Stress test design
4. Project integration and release
5. Operation and maintenance
6. Assist other personnel to solve difficult problems

2019.9-2021.1 Guangzhou HSBC Bank

Position: java technical leader

Technology stack:

springcloud series

mysql

redis

Mongodb

react

Angular

Work content:

1. Technical architecture design
2. Bottom realization of project technology
3. Tie subordinates fulfill project requirements
4. Project integration and release
5. Report to the project manager and assign subordinate tasks.
6. Assist other personnel to solve difficult problems

2019.2-2019.9 Shenzhen Huafu Information

Position: Architect

Technology stack:

springcloud microservice series component database: mysql, F5 distributed cache: redis-cluster log system: logback log management: greylog link tracking: skywalking

Performance:

A project needs to be completed every month, and the tasks can be basically completed in advance every month, with fewer bugs. Maintaining the stable performance of the old system: A

Work content:

1. Monthly technology sharing
2. Project technology selection
3. Technical architecture design
4. Bottom realization of project technology
5. Tie subordinates fulfill project requirements
6. Project integration and release
7. Report to CTO and assign subordinate work. Project management
8. Assist other personnel to solve difficult problems

2015.5-2019.2 SurLead Software Company

Position:

Senior Development Engineer

Technology stack:

Springcloud microservice series components, node.js series technology stack database: mysql, Oracle distributed cache: redis-cluster, mangodb Log system: logback Log management: ELKStack Front end: angular series, vue series, ionic series

Performance:

A project needs to be completed every month, and the tasks can be completed in advance every month, and the amount of bugs is small. Maintain the stable performance of the system: A

Work content:

1. Maintain the old system, fix bugs, update some system requirements
2. Lead newcomers, lead and iterate daily business development normally
3. Business architecture design.
4. Android, IOS, PC client development.
5. Assist relevant developers to solve technical problems and promote the completion of lagging projects.
6. Maintain the operation and maintenance work in the development phase
7. Responsible for technical selection and technical architecture

2014.6-2015.2 Alibaba-Alipay Shanghai Branch

Position:

Full stack engineer

Technology stack:

Server-side spring ecosystem, apache open source projects, node.js ecosystem database: mysql Front end: zepto.js, Ali alia

Performance:

Complete (1) Alipay app lottery application. (2) Alipay pc external secured transaction development and launch

Work content:

1. Realize business api service, render jsp, vm template
2. Fix long-standing bugs.
3. Assist relevant developers to solve technical problems
4. Responsible for the development of Alipay application business and served as the development team leader.
5. Write java rendering template
6.

2013.6-2014.5 Ctrip Computer Center

Position:

Mobile Full Stack Engineer

Technology stack:

.Net series, Node.js series database: SQLSERVER Front end: backbone, zepto.js

Performance:

Complete Ctrip's international air ticket project, domestic air ticket project, ticket ordering project, train ticket project, strategy project, and surrounding travel projects. A series of Ctrip services such as free travel projects and hotel projects are transferred from PC to mobile terminal

Work content:

1. Mobile restfull interface writing
2. The mobile terminal is responsible for technology selection, business framework development, and partial component development
3. Mobile terminal business development based on phonegap, daily bug follow-up

2010.8-2013.5 Qunshuo Software Development (Shanghai) Co., Ltd.

Position:

Front-end development engineer

Technology stack:

springmvc, strut2, nodejs database: mysql front end: backbone, zepto.js jquery.js

Performance:

Complete the company's outbound project and deliver the project on time and in quantity

Work content:

1. The main customer is SAP company.
2. Maintain the stability of the old SAP project system
3. Follow up with iterative updates of old SAP projects
4. Participate in the development of new requirements for SAP

Educational experience

Academic education:

- 2007.9-2010.6 Shanghai University of Science and Technology

International Certification:

- Microsoft Certified Professional
- Microsoft Specialist

Self-evaluation

- Have a strong team spirit, good organization and coordination skills, and a strong sense of collective honor.
- Strong self-learning ability, like to delve into new technology, dare to face and overcome difficulties.
- Have strong adaptability; strong discipline, active cooperation in work; strong will.