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🖥 https://wzm001.github.io/
📅 1991-01
💼 Senior Software Engineer / Backend R&D

🔧 SKILLS LIST

- **Programming**: Java, Concurrency, JUC, NIO, JVM, Design Patterns, Data Structures and Algorithms.
- **Data system**: MySQL, PostgreSQL, Redis, RabbitMQ, Kafka, Elasticsearch.
- **Microservice**: Spring Boot, Spring Cloud, Zookeeper, Dubbo, gRPC, Nacos.
- **Others**: Linux, Git, DevOps.

💼 WORK EXPERIENCE

UP Fintech Holding Ltd. (NASDAQ: TIGR)   Jun 2020 - Apr 2023

Senior Software Engineer   Beijing

- Responsible for developing and maintaining the ESOP systems, including requirements analysis, solution design, system tuning, online issue handling, refactoring, etc.
- Responsible for driving the microservicing of the ESOP system, extracting relatively independent services from the system into middleware microservices.
- Responsible for cooperating with product managers to conduct technical research, provide technical support, and explore new features of competing products.
- Responsible for technical interviews and intern training for back-end R&D positions.

Kanzhun Ltd. (NASDAQ:BZ)   Nov 2019 - May 2020

Senior Software Engineer   Beijing

- Responsible for development and maintenance of the CRM system, including requirement review, solution design, online issue handling, tuning, refactoring, etc.
- Responsible for cooperating with product manager to conduct technical research and provide technical support.

H3C   Aug 2016 - Oct 2019

Senior Software Engineer

- Responsible for the development and maintenance of the *Intelligent Inspection Butler*. Including requirements analysis, program design, system tuning, refactoring and other works.
- Responsible for the R&D implementation of the *I-Care Red Label*, managing the whole R&D process of new projects from project creation to launch.
- Responsible for providing technical support at customer sites.
- Responsible for preparing departmental technical training materials and recording training videos.

环球优学通(北京)教育咨询股份有限公司   Aug 2014 - Jul 2016

Java Development Engineer

- Responsible for the development and maintenance of the management system used within the company.
- Responsible for teaching and researching p*hysics subject* in middle and high school.

🎓 EDUCATION

Northwest A&F University (NWAFU) 985 211   Sep 2010 - Jun 2014

Engineering Bachelor

📄 SUMMARY

- 7 years of Java development experience, familiar with common frameworks and middlewares.

- Responsible for the development of large projects in the companies that I have worked for, with good coding style and the ability to deal with online problems.
- Like to read technology blogs and research new technologies, such as Github Trending , Hacker News , etc.
- Passionate about technology. self-driven, broad vision and good communication skills.

📖 PROJECT EXPERIENCE

ESOP (UP Fintech Holding Led.)   Jun 2020 - Apr 2023

ESOP (Employee Stock Ownership Plan) system is a SaaS platform for enterprises and employees, which is responsible for managing the complete life cycle of options/stocks/cash (collectively called incentive tools) issued to employees, including the granting, maturity, vesting and trading of incentive tools. The system provides professional enterprise audit report tools and perfect grant management functions for B-side users, and a one-stop trading platform for C-side users, and the vested stocks can be traded directly through Tiger APP. The project is developed and deployed using microservice architecture. ESOP's official website is : https://www.uponeshare.com/

Technology Selection: **Spring Boot + MySQL + MyBatis-Plus + Canal + Redis + RabbitMQ + Dubbo + Apollo** :

- Implement the multi-tenant using MyBatis-Plus to isolate data between enterprises.
- Use RabbitMQ to implement asynchronous RPC and traffic buffering, support system message pushing and distributed transactions.
- Use Dubbo to support RPC and service management, and coordinate other microservices.
- Use Apollo for configuration management and hot publishing of configurations.

I was responsible for the ESOP system's grant and order operations, as well as optimizing the system's processing logic and refactoring the code:

- Extracts basic operations like the online signing and the message pushing as microservices, so ESOP systems can focus on the key operations.
- Refactor the business process of the grant module with Event-Driven, decouple the related logic from the grant module, and improve the scalability of system.
- Use MQ and local message tables for ultimate consistency in order processing distributed transactions.

ESOP-PUSH (UP Fintech Holding Ltd.)   Jun 2022 - Apr 2023

esop-push is the message push service that the ESOP system relies on, responsible for providing message push for various channels such as SMS, email, Tiger APP, FeiShu, DingTalk, Enterprise WeChat, etc. It also supports users to define various message templates according to different business scenarios (abstraction as business nodes). The push service needs to be able to withstand a large number of instantaneous requests.

Technology Selection: **Spring Boot + MySQL + MyBatis-Plus + FreeMarker + Redis + RabbitMQ + Apollo** :

- Using FreeMarker for Message Template Rendering.
- Using RabbitMQ as an asynchronous request middleware to achieve traffic clipping.
- Use Redis as a distributed cache to improve the efficiency of template rendering.

I was responsible for the microservicing of the entire messaging push business, including requirement grooming, architecture design, refactoring development and optimization of existing processes.

ESOP-SIGN (UP Fintech Holding Ltd.)   Jun 2022 - Apr 2023

esop-sign is an online signing middleware service that the ESOP system relies on to create, sign, and validate online PDF agreements, which have the same legal effect as offline agreements. ESOP business relies on the signing service in many aspects, such as enterprise issuance of options, option maturity vesting, and user exercise transactions. The service has access to a third-party service provider (https://www.bestsign.cn/), and on the basis of this service, ESOP unique services, such as data partition isolation and high availability of signing services, are encapsulated and implemented.

Technology Selection: **Spring Boot + MySQL + MyBatis-Push + Redis + Dubbo + Amazon S3** :

- Use Amazon S3 as an object storage service for signing-related file storing.
- The BestSign provides a hybrid cloud architecture deployment solution, locally implemented storage engine, so that sensitive files do not leave home.

I was responsible for the microservicing of the entire signing business, including requirement grooming, architecture design, refactoring development and optimization of existing processes:

- Extract key logic to transform the storage engine by decompiling the hybrid cloud war package to achieve file partitioned storage.
- Use the adapter pattern to extract the code coupled with the top-signature to facilitate the system to introduce other third-party signing service providers.
- Using a local implementation of template solution instead of the template function of the BestSign, which reduces the coupling with third-party systems and can provide a template service closer to the business.

The CRM system (Kanzhun Ltd.)   Nov 2019 - May 2020

The system is mainly responsible for Boss-ZhiPin's customer management business, assisting the company's operation and business colleagues to efficiently manage corporate customers and promote the commercialization process. The system provides public and private client management, lead follow-up, order management and other functions.

Technology Selection: **Spring Boot + PostgreSQL + MyBatis + Redis + Dubbo + RabbitMQ + Kafka + Elasticsearch** :

- Using Dubbo as the RPC framework.
- Using Kafka for log analysing.
- Using Elasticsearch for supporting data searching.

I am responsible for the development and online maintenance of the customer and lead modules of the system in the project. Evaluate product requirements, design implementation solutions, etc.

Intelligent inspection butler (H3C)   Aug 2016 - Nov 2019

The Intelligent Inspection Butler is a network intelligent inspection system launched by H3C based on years of IT operation and maintenance experience. The system is mainly for mainstream IT products of multiple vendors, and can flexibly customize inspection indexes according to customers' IT environment without affecting customers' existing network services, and conduct comprehensive automatic inspection and analysis of network, server, middleware, database, etc. for operational status and capacity status, and deeply perceive the operational status of IT infrastructure.

Technoloty Selection: **Spring MVC + jQuery + MySQL + Redis + Python** :

- Using Python as the underlying collector script to analyze device health metrics.
- Using Redis as a distributed cache system.

I am mainly responsible for the development of the inspection module and the refactoring and optimization of the platform project:

- Optimize the collector logic, split the data collection function into separate modules, decouple it from the upper business, and facilitate subsequent expansion.
- Sort out inspection indicators and alarm rules, integrate the current business, extract the public part, and facilitate the user to configure customized rules.

I-Care proactive system support service platform (H3C)   Jun 2018 - Nov 2019

The system mainly provides inspection and proactive operation and maintenance services for H3C self-researched servers. The system is divided into client side and server side, and the client side mainly assists field operation and maintenance personnel to manage equipment assets and locate problems quickly. The server side mainly assists H3C's proactive service personnel to provide customers with personalized inspection and upgrade suggestions. It is a new product line opened up by H3C.

Technology Selection: **Spring MVC + jQuery + MySQL + Redis.**

I was responsible for the overall product development management in the project, ensuring that the product was launched on schedule:

- Responsible for discussing requirement solutions with product managers and providing technical support.
- Responsible for product technology selection, building product architecture, and sorting out development documents.