



Personal Info

Job Hunting Intention: Architect/Senior Software Development Engineer

Job location: Guangzhou/Shenzhen/Dongguan

Phone : 13296574957

Age : 35 岁

Email : 86537054@qq.com

Gender: Male

Work times : more than 10 years

Marital status: married

Political outlook: member of the Communist Party of China

Current job: HSBC Software Development (Guangdong) Co., Ltd.



Self-assessment

- **Working Background:** Working background: More than 13 years of experience in system architecture design and development, familiar with software development process and personnel roles and responsibilities at various stages, successively serving as R&D engineer, project R&D manager, system architect and other positions, familiar with information technology from product technology to enterprise management Optimize all the processes used, and have a good information concept.
- **Technical Background:** Many years of experience in IT field architecture software design and innovative project implementation, familiar common design patterns, software development regulations, master basic development technology and implementation principles, years of technical management experience, familiar with Java development mainstream technology framework, distributed Technology, file storage, process engine, task scheduling, event-driven framework, Docker and k8s container cloud technology, spring boot/cloud, hadoop big data framework, etc., familiar with various project management or auxiliary development tools.
- **Database Ability :** Proficiency in the development of relational, document, and in-memory databases such as Mysql, Mssql, Sybase, Oracle, MongoDB, Redis and familiar stored procedures, views, indexes, substitutions, SQL statements, etc. for database programming.
- **Management ability :** Rich experience in project management, familiar with pre-research, demand confirmation, plan selection, and the entire process of project implementation, with rich team building and management capabilities, concurrently and reasonably formulating project plans, assigning tasks, and deploying project resources , And ensure the smooth delivery of the project.
- **Comprehensive quality:** Familiar with the process of each module of project management, good at communication, able to arrange time rationally, diligent and motivated, with a correct attitude, and abiding by the rules, but also able to understand new things and technologies in a timely manner.

- **Professional certification:** PMP



Work Experience

2016.09 – Technical Expert Consultant, HSBC Software Development (Guangdong) Co., Ltd

- **Main work:** Responsible for the design and development of foreign exchange-related systems, and has participated in the completion of the key technology research in the system, the architectural design of new components, and the optimization of the existing system.
- **Architecture design:** Combining system functional requirements, design system conversion calculation based on Java micro service framework architecture, public cloud (AWS) operation, automated deployment and other core system architectures, to achieve system integration, stability and scalability, and design to complete system standardization Framework to improve system performance and development efficiency.
- **Technical optimization:** Combining the system function requirements and uniting the technical team, successively optimize and improve the performance of system JVM-level tuning, TPS tuning, system-related database storage and system cache, etc., to solve the performance degradation of system-related message processing, Realize the high availability of services, fault tolerance and other functions.
- **System R&D:** According to the bank's IT standards and quality requirements, analyze business needs and propose solutions, while flexibly using different communication skills and skills, and work with colleagues from HSBC's global team to complete project tasks.
- **Work results:** Has completed the HSBC's core foreign exchange transaction data calculation platform, foreign exchange trading financial reporting system and foreign exchange workflow engine and other related project development tasks in multiple foreign exchange business fields, and launched it on schedule.

2014.04 - 2016.09 System Architect, Beijing Fufu Software Technology Co., Ltd.

- **Main work:** Participate in the demand analysis, key technology research and design of the IT architecture Internet project of China Telecom's BSS system.
- **Architecture design:** Based on system functional requirements, successively completed the application framework design of China Telecom related projects, involving dubbo subsystem conversion, distributed deployment, event-driven framework, integrated development of docker/k8s container cloud platform, centralized application engine for the entire network, etc. The design of the core architecture realizes the system functional requirements and technical upgrades.
- **System development:** Based on Java Spring core components, big data, distributed databases,

message middleware, data caching, Docker container cloud and easyui, jquery and other related front-end technologies, participate in the BSS centralized online transaction application framework of China Telecom Group, China Telecom Group Research and development of IT cloud component service platform, system design and core code development of large-scale projects such as event-driven framework, and pass relevant business acceptance.

- **Work Results:** Successively completed system-related distributed service framework dubbo source code conversion, distributed data unified data access layer research, event-driven framework research and development and prototype application, BSS business support system network-wide centralized application engine research and development, and 10000 network The structure design and development management of multiple projects such as the research and development of DPI components in the hall, and went online on schedule.

2008.11-2014.04 Beijing Godelibang Technology Co., Ltd.

2010.10 – 2014.04 | East China Technical Manager

- **Main work:** Responsible for the technical service management of five provinces/cities in East China (Hubei, Anhui, Shanghai, Jiangsu, Zhejiang).
- **Technical management:** Establish technical support and management of the company's core system in the company's welfare lottery business, and have participated in the completion of the company's summary system, terminal products and after-sales platform secondary development and post-maintenance, to achieve the safety and stability of the lottery software and hardware systems in the five provinces of East China run.
- **Team Management:** Responsible for the daily management of the 6-person technical team, responsible for the daily technical training of technical personnel in the region, and regular inspections to build a rigorous, pragmatic and efficient technical service team in East China.
- **Work results:** System maintenance and team management were successfully completed, and the system was delivered on schedule.

2008.11 – 2010.10 | JAVA Development Engineer

- **Main work:** Responsible for the development of the company's JAVA version-related products, and for solving related system functional problems and system requirements changes.
- **System development:** Based on the Struts2 + Spring + Hibernate architecture, successively participated in the completion of the company's lottery hotline transaction system summary system, terminal products and after-sales platform development, to achieve system-related functions and deliver products on schedule.
- **Work performance:** The summary system of the lottery hotline trading system, terminal

products and after-sales platform are delivered on schedule and passed the test.

Project Experience

1. 2019.10-now, Forex core transaction data calculation platform system, design and development

- **Project introduction:** The research and development of the foreign exchange core transaction data calculation platform. The main transaction data of the project is calculated in different dimensions, and the data is generated at a specified frequency, and sent to the designated relevant financial, risk control and other business departments.
- **Project responsibility:** Participate in product realization plan planning, architecture design, technology selection and project development.
- **Requirement analysis:** Based on the relevant functional requirements of HSBC Bank's foreign exchange transactions, analyze the pain points of the system-related operating status, message processing, business monitoring, conversion, conversion calculation, various transaction and other technical requirements, and write related technical documents.
- **Architecture design:** According to the technical positioning and performance requirements of the project, the grid engine of the data synchronization line is used for calculation, the automatic development of public cloud AWS, and the automatic detection of configuration files are used for architectural design and implementation plan planning to realize the technology of the system Requirements and functional requirements.
- **Technical optimization:** Combining product functional requirements, uniting technical teams, successively performing technical updates and adaptive transformations on the system architecture and core components, achieving high concurrency and high availability of the system, and completing the deployment.
- **Technical training:** Based on the agile development project management method, guide some junior developers to carry out system development and technical research to ensure the timely delivery of products.
- **Project performance:** Deliver the project on schedule and pass the test.

2. 2018.05-2019.10, Financial reporting system for foreign exchange transactionsk, System design and development

- **Project introduction:** The project is to realize the design, research and development of HSBC's core foreign exchange transaction financial reporting system, and two phases of system delivery have been completed.
- **Project responsibility:** Cooperate with the business manager to complete the data modeling of

the system, as well as demand analysis, system design, function development, function and performance testing, business verification and online and follow-up operation and maintenance.

- **Demand analysis:** Based on the financial reporting requirements of HSBC Bank's foreign exchange transactions, we have successively conducted business analysis on technical requirements and functions such as system data consistency, data reporting, cross-platform deployment, and component microservice decomposition, and compiled relevant technical documents.
- **System development:** Participate in technical research on system data consistency issues and component micro-service decomposition, and at the same time lead to the resolution of system message processing performance to meet the requirements of system business requirements.
- **Project performance:** Deliver the project on schedule, pass the test, and solve the expected throughput problem of the system's second-level large data volume.

3. 2016.09 – 2018.05, Foreign exchange workflow engine, System reorganization and major problem solving

- **Project introduction:** Some components of the foreign exchange workflow engine project and the solution of major difficult problems.
- **Project task:** Analyze and solve difficult problems encountered by the team, preside over the refactoring design and development of key components in the project.
- **Project performance:** The host's demand analysis, design, development, and launch of the trade archive service (foreign exchange storage service). The host upgrades the Netty communication encryption from SSL to TLS1.2 development and release verification work. Successfully solved the problem of transaction query service. Successfully designed the MQ provider, which can realize the service, and realize the high availability and fault tolerance of the service. Participate in the analysis and optimization of memory problems that multiple services can solve.

4. 2015.10-2016.09, China Telecom Group BSS centralized online transaction application framework, Architecture design and development

- **Project introduction:** The project realizes the online trading platform of China Telecom, and participates in the technical pre-research, architecture design and core function research and development of the project.
- **Project Responsibilities:** Combining the technical requirements and functional requirements of the system framework, responsible for the management and control of the project special team, including the construction of the project special system framework, development tool

preparation, development task allocation, personnel deployment, code and function inspection, etc.

- **Architecture design:** Based on system architecture and automated release requirements, successively use distributed database dbPorxy + mycat, MQ message middleware, redis distributed data cache, dubbo, docker / K8S container cloud technology, etc. to reconstruct the system to realize the system architecture High availability.
- **System development:** Combining system function requirements, using node.js, spring core components, springMvc and schema custom extensions and other frameworks, complete the core function code development of the system and pass the test.
- **Project performance:** Deliver the project on schedule and pass the customer's acceptance.

5. 2014.07-2015.10, China Telecom Group BSS IT Cloud Component Service-Event Driven Framework (Phase II) , Architecture Design and Development

- **Project introduction:** As the development topic of the IT cloud service capability platform, the event-driven framework is mainly to provide a unified event monitoring and execution mechanism for applications with intensive transactions and user interaction conversion and other engines; standardize the triggering and execution methods of application logic and support Rapid application development.
- The first phase mainly completed the research and development of the event-driven framework application-level engine, implanted event-driven workflow in the application content, and responded to the application logic to trigger and execute events.
- In the second phase, a series of event center, unified configuration center, monitoring center, performance optimization, etc. are carried out (this time period is the second phase project), mainly to realize the interaction between the event-driven engine, other engines, and application systems:
 1. Realize local call through application layer API.
 2. Send events through the remote service interface.
 3. Indirect communication through the message engine.
- **Project task:** R&D management of the second phase of the event-driven framework project, mainly for supplementary function requirement analysis, system design, performance optimization pre-research, project document writing, etc.



Education

2020.09 - 2023.06 Hubei University of Technology Master of Business Administration

2005.09 - 2008.07 Hubei Province Economic Management Software Technology College