

Yuyang

Degree: Bachelor

Major: Computer science

School: TianJin University

Advantages

1. Experienced in designing and building solution architect, application architect, data architect, devops architect, and common libraries.
2. Rich experiences in decoupling monolithic application to microservices architecture.
3. Ever worked as senior dev manager, senior system architect, lead(principal) developer, director in foreign based financial and tech corporations. Proficient in managing internal and external dev teams (more than 60 teammates) in both English and Mandarin.
4. Experienced in building distributed system and microservices system from scratch to solve high concurrency and big volume data scenarios.
5. Experienced in setup big data cluster environment, microservices HA/cluster environment, devops environment, and monitoring environment.
6. Experienced in continuously improving development process, developing company level common libraries and systems to facilitate development work.
7. Reliable, can-do attitude, good team work.

Tech Stacks

- React(hook), Next.js, Tailwind CSS, Node.js, Nest.js Typescript, Prisma
- Java, SPI, ByteBuddy, SpringBoot, SpringData, Mybatis, Hibernate, Netty, Websocket SpringCloud(Eureka, SpringCloud Gateway, Ribbon, Feign, Zuul, Hystrix)
- MySQL, PostgreSQL, Oracle, MS-SQL, Redis, Zookeeper, Memcached, Kafka, Rabbitmq, Nginx, Openresty, Apollo, Elasticsearch, Kafka, Kibana, Filebeat, Logstash, Prometheus, Grafana, Python, Shell
- Hadoop, Yarn, Spark(sql, core, streaming), Hive, HBase, Hue, Sqoop, Canal, Maxwell, Airflow
- Kubernetes, AWS, Aliyun
- Git, GitHub, Svn, Github action, Gitlab pipeline, Jenkins, Helm3, Golang
- Waterfall, Agile, SAFe, Confluence, Jira, Slack, PagerDuty, SonarQube

Work Experiences

➤ 2019.1 - 2023.1 **HomeCredit (Czech financial tech company)**

Position: Principal Dev / Senior System Architect (tech middle platform)

- Contributions:**
1. Member of company developer promotion committee.
 2. Provide tech solution for all projects / teams in the company.
 3. Build microservices architecture from scratch and write core code.
 4. Lead a team to refactor long history monolithic application to microservices architecture.
 5. Leverage DDD methodology to identify business domain.
 6. Develop core framework and core libraries.
 7. Apply SonarQube to all projects in company.
 8. Lead team to develop distributed tracing system with bytebuddy.
 9. Design and lead cross department teams to implement devops new feature by enabling Jenkins schedules job to big data platform via Yarn API.
 10. Develop spark common function libraries.

➤ 2016.1 - 2019.1 **GVE (Canadian tech company)**

Position: Director / Principal Dev

- Contributions**
1. Setup development department from scratch.
 2. Recruit and manage developers in China and Canada.
 3. Collect requirements from business departments and identify business domains.
 4. Setup development environment and devops environment.
 5. Develop programming framework and implement core features.
 6. Design and develop microservices components including registration center, load balancer, configuration center, etc.
 7. Migrate applications and software from in-house to cloud platform.
 8. Setup data warehouse system, development data transfer system and data visualization system.
 9. Solve different kinds of issues during development work. E.g. dead lock, low performance, memory leak, etc.
 10. Make coding guideline.

➤ 2012.1 - 2016.1 **Volvo**

Position: Architect

- Contributions:**
1. Develop and maintain vehicle ERP system.
 2. Design and develop data transfer and data governance systems.

➤ **2005.9 - 2012.1 Augmentum (U.S tech company)**

Position: Senior Dev Manager

Contributions:

1. Served for Microsoft to develop ERP and CRM system.
2. Develop low-code platform to facilitate development working efficiency.

Project Experiences

Corp: Homecredit

Project: The merchant franchise marketing management system is a monolithic application that has been in operation for many years. It integrated with many internal and external systems. It takes much time to perform development and testing for new features, which seriously affects delivery efficiency. The company decided to refactor the system to improve the efficiency.

Experience:

1. Lead a team to collect requirements, split development tasks, assign to developers, track progress, implement core features.
2. Refactor monolithic application into event-driven microservice architecture.
3. Writing solution architecture design documents
4. Develop common libraries and programming framework.
5. Develop gitlab pipeline line, docker file.
6. Create development guideline.
7. Solve technology problems.

Corp: Homecredit

Project: Provide solution design to projects in the company. Generate detailed technical solution and lead team to implement.

Experience:

1. Create distributed tracing system for Java applications using ByteBuddy and java SPI. It enables tracing API performance, entire request routing, visualizing time-cost APIs and request context, auto analyzing issues.
2. Design and lead cross-department team to enhance devops feature. It enables Jenkins scheduling spark applications to big data platform via Yarn API.

Corp: Homecredit

Project: Work as a fullstack architect leading a team including frontend and backend developers to develop company internal forum system.

- Experience:**
1. Analyze requirements from business analysis.
 2. Build frontend and backend core programming frameworks.
 3. Develop frontend and backend core code.

Corp: GVE

Project: Setup development team to create an English online educational system.

- Experience:**
1. Setup development from scratch. Recruit, train, manage development team.
 2. Identify business domains, design system architecture and data warehouse architecture according to business.
 3. Continuously upgrade application system from monolithic application to microservices event-driven architecture.
 4. Continuously upgrade devops system from deploying manually to leverage gitlab pipeline to enable fully automated deployment.
 5. Setup Hadoop/Spark big data environment for building data analysis platform to optimize UI design by analyzing use behaviors.
 6. Self-develop distributed tracing system, business gateway, services registry and discovery service, configuration service, load balancing using Spring, Netty, RestTemplate, OkHttpClient etc.
 7. Upgrade microservice architecture from self-developed version to SpringCloud. Develop core libraries for automatically perform data masking, light weight data tracing feature, data encryption and decryption, data audit, data permission.
 8. Design and develop identity authentication and authorization services, business gateways, SMS services, email services, payment services, transaction compensation services, and account reconciliation services.
 9. Design and develop data warehouse's data visualization platform system.

Corp: Volvo

Project: The data governance and migration project. Some of the Volvo's existing systems are developed and maintained by different countries themselves. Data synchronization and aggregation are performed through interfaces and other methods. Due to different standards, the data synchronization cycle is long and the accuracy is low. The company decided to develop a unified data center hosted in Sweden by migrating data from various places to the headquarters system.

- Experience:**
1. Collect and analyze the metadata of automobile data in various national systems, such as vin code, etc.
 2. Govern data, including adopting a unified time zone and datetime format, supplementing default values for different types of business data fields, and validating data according to business rules, etc.
 3. Use multi-threading technology to optimize system performance.

Corp: Volvo

Project: The Group's core automotive ERP system was developed and maintained by European teams and has been running for many years. The company decided that the system will be maintained by Chinese team.

Experience:

1. Analyze the existing system architect and business requirement, generate system architecture and high level business workflow.
2. Maintain the existing system and develop new features.

Corp: Augmentum

Project: Develop vehicle CRM and marketing systems for foreign companies.

Experience:

1. Setup development team for the project from scratch.
2. Analyze vehicle CRM business requirement, make technical solution and develop programming framework.
3. Write core code and implement core features.
4. Lead dev team of the project to implement business features, review code, upgrade system, maintain online system.
5. Develop low-code system to improve development efficiency.

