



Gao zhirong

Language: Java, Kotlin, Golang, Python, JavaScript, Solidity

Tools: Maven, Gradle, Jenkins, Flyway, Docker

Framework: Spring, Spring Boot, Hibernate

Database: Mysql, Oracle, Postgres, MongoDB, H2, Elasticsearch, Redis

Devops: Terraform, Ansible, EC2, ECS, EKS, Datadog

Testing: Junit, Spock, Mockito, PowerMocktio

EXPERIENCE

Senior Backend Engineer, Eqonex, Hongkong

Sep 2021 – Present

- Work at the Deposit & Withdrawal Squad and Crypto Custody department.
- Implemented AWS MSK Producers and Consumers Microservices.
- Involving in the Design and implementation of Listing new coins/Onboarding new payment options(Crypto, Fiat).
- Production support for exchange incidents.
- Use Groovy and Spock to write Integration tests to cover all scenarios, use Wiremock for integration services.
- Various blockchain assets custodian(Bitcoin, Ethereum, BSC, Solana).

Tech: Java, Spring Boot, Kafka, PostgreSQL, Hibernate, Kotlin, EKS, AWS, Spock, Groovy, Solidity , golang

Senior Software Engineer(consultant), Morgan Stanley, Shanghai, China

Jan 2021 – Sep 2021

- Built the Data middleware using Spring, Spring Boot. Apache Spark, Kafka.
- Built Encryption/Decryption Services for incoming files stream.
- Built the Global Data Management platform for internal tech squads to manipulate client data using Spring JPA, Hibernate, Sybase.

Tech: Spring Boot, Spring Test, Hibernate, Spark, Kafka, Gradle, Junit, Jmeter , golang

Senior Software Engineer(consultant), Goldman Sachs, New York, NY

November 2019 – Dec 2020

- Worked as Platform Engineer to deploy applications in AWS within the Corporate Cash Management Payment Team under Transaction Banking.
- Used Terraform to create base AMI, EC2 instances for Hosting Spring Boot Application, Load Balancer, Route 53, VPC endpoint service. Set up CloudWatch metrics and alarms to monitor the Various Applications activities. Created secrets and certificates, and configured secret policy to save them in AWS Secret Manager and System Manager properly.
- Utilized Terraform to set up ELK stack(Elasticsearch, Logstash, Kibana)
- Created Spring Boot applications for Kafka Producers (Producing Topics within business domain) and Consumers (Consumes Topics from Data platform).
- Used Spring Webflux to build Kibana Proxy application which involved Reactive Programing

Tech: Spring Boot, Spring Cloud Gateway, Spring Webflux, Netty, Kafka, Elasticsearch, AWS Lambda, Terraform, Ansible, Quartz , golang

Software Engineer, Bank of America Merrill lynch, Charlotte, NC

March 2019 – November 2019

- Worked closely with Markets business partner in defining requirement for applications.
- Wrote Unit Test and Integration Test with Spock framework using Groovy.
- Developed REST API over WebSocket to support fast I/O, with minimal latency.
- Developed Configuration Data Store using Spring data MongoDB , golang

Tech: Java, Spring Boot, MongoDB, Spock, Groovy

Trading application support, CICC US Securities, New York, NY

June 2018 – March 2019

- Working with front office traders and carrying out trading activity on day-to-day basis. Have Deep understanding of Equity, trading flow
- Developed the service layer, a layer that acts a bridge between the presentation layer and data access layer, with Struts, Spring MVC framework
- Implemented multithreading, parallel programming, and clusters to improve performance efficiency and decrease the response times

Education

Hobart college, 2013 - 2017

Bachelor in Computer Science, Mathematics Geneva, NY US