

PERSONAL BACKGROUND

Name: 肖鼎 Bob D Xiao

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Language Capability: Mandarin, English

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EDUCATION

2015.09-2018.06	Hunan Industry Polytechnic
	Software engineering, college

PROFESSIONAL EXPERIENCE BRIEF

2021.08 – now	TekSystems	Java Developer
2020.08 – 2021.07	Guangzhou Kint Technology Co., Ltd	Java Developer
2019.09 – 2020.07	Guangzhou LiDe Information Technology Co., Ltd	Java Developer
2018.12 – 2019.09	Beijing Wintelia Technology Co., Ltd	Java Developer

PROFESSIONAL SKILL

- **Java**
 - Java basic knowledge
 - Use concurrency gracefully
 - Know the JVM better
 - Most of the improvements of Java1.5 to Java17
 - Others? JIT, JMH....
- **Database:** Surprising ability to use MySQL, MongoDB and Redis, Familiar with Oracle, Elasticsearch
- **Framework:** Best practices of Spring Cloud Family Buckets, Reactor, Redisson, Kafka and other framework
- **Linux:** Proficient
- **Tools:** Familiar with DockerCE, EFK, Jenkins, Keycloak, IDEA

PROJECT EXPERIENCE

2020.04–2021.05	Inventory Management System Introduction Used to manage multiple modules and coordinate them to complete different tasks including but not limited to <ul style="list-style-type: none">Automatic and manual cabin controlSpace release strategyBusiness chartMarket decision Responsibilities <ol style="list-style-type: none">1. Build system architecture and environment
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2. Architecture development
3. Modules Development
4. Technical consulting

Technology stack

Java11, SpringCloud, MyBatis
MySQL, Consul, OIDC
Kafka, Docker, EFK

Project achievement

1. Maintenance of up to 40 different types of microservice modules
2. When QPS is 500, the latency of 95% of authorized service is less than 50ms
3. When TPS is 4000, the latency of 95% of authenticated service is less than 50ms

2020.08 – 2021.03

Flight Fare Search

Introduction:

This is a renovation project to replace the original old project

The original project uses solr to search, and needs to be transformed to use elasticsearch

The data is not directly in solr or es, the original data is in oracle

We have designed a set of programs to synchronize the data in oracle to es. The import process contains very complex business logic, which is completed by timing tasks

There is a buffer layer that uses redis, because you have to import data multiple times a day, and use zookeeper to invalidate the previous cache

Responsibilities:

1. Optimize the performance of Elasticsearch import
2. Developer

Technology stack

SpringBoot, Caffeine, Zookeeper, Jpa
Redis, Oracle, Elasticsearch, Solr

Project achievement

Compared with solr, elasticsearch import performance is increased by 10 times

2019.06 – 2020.07

Team Flight Fare Management System

Introduction

The project is a micro-service project for employees to manage ticket prices and manage flights, etc.

I am not responsible for the specific logic

Responsibilities

1. Build system architecture and environment
2. Architecture development
3. Technical consulting

Technology stack

Java11, SpringCloud, MyBatis
MySQL, Consul, OIDC
Kafka, Docker, EFK

2018.11 – 2019.06

Project achievement

When QPS is 500, the latency of 95% of authorized service is less than 50ms

When TPS is 4000, the latency of 95% of authenticated service is less than 50ms

Revenue Management System

Introduction:

This project is an OLAP type project, used to analyze the ticket price and income of China Southern Airlines from various aspects, and display it in the form of front-end charts

Responsibilities

1. Group Leader
2. Design and build business processes
3. Performance optimization

Technology stack

SpringBoot

MySQL, MongoDB, Redisson

Project achievement

When QPS is 5, the average latency is 10 seconds, hitting 20 million from 7 billion data