Zongjie Wang （Jack）

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SUMMARY

I am a Senior Software Developer with **6+ years of experience**. I hold a **Master's degree in Computer Science** from Fairleigh Dickinson University and a **Bachelor's degree in Computer Science** from Shandong University. I am proficient in **Java, Python, C, C++, C#, Spring, SpringBoot, SpringMVC**, and databases such as **MySQL, SQLite, MongoDB, PostgreSQL, and Redis**. I excel in backend development, microservice architecture, and am familiar with **Linux/Shell, Bash, Git, TCP/IP networking, Switching, Routing**. I have extensive experience in project management, requirements analysis, QA testing, and troubleshooting and I am currently studying the CCNA course. Fluent in both Mandarin and English, I am eligible to work legally in Canada.

EXPERIENCE

Software Developer (Part-time)   D3Security, Vancouver, Canada   May 2024

- **Project: SOAR**

Introduction: Core Company Project

1. Developed Utility Command scripts using C, C# and Python.

2. Fixed bugs in both front-end and back-end, ensuring the proper functioning of the system.

3. Researched and selected appropriate testing frameworks for the project's database module to improve testing efficiency and accuracy.

Achievements:

1. Successfully optimized several key modules, enhancing system stability.

2. Increased test coverage and speed significantly by researching and implementing new testing frameworks.

3. Collaborated closely with the team to solve numerous complex technical issues, ensuring timely project delivery.

Technologies:

C, C++, C#, Python, Linux, PostgreSQl, SQL Server, Micro Visual Studio

Senior Software Developer   BossZhipin Beijing, China   Sep 2018 – Oct 2022

■ Project: Wordbag Recall

Introduction:

This project is an intelligent word package recommendation system that suggests suitable candidates for both clients. My responsibilities included implementing recall mechanisms and recommendation algorithms to ensure high-quality candidate recommendations. The project aimed to achieve seamless dual end matching to improve conversion rates for both ends. I implemented a scalable distributed architecture using the Spring framework and built a highly available architecture with Zookeeper. By consuming real-time data from Kafka, we ensured the timeliness and accuracy of the word packages. At the underlying level, we used Elasticsearch to create text indices for search and matching, supplemented by Redis for real-time traffic data queries, and Hadoop for backup storage of historical word package records.

Technologies:

C, Python, Java, Kafka, Zookeeper, Spring Framework, Redis, Elasticsearch, Hadoop, Hive, MyBatis, MySQL, Maven, Git, Linux

■ Project: ABTest

Introduction:

This project catered to the internal algorithm team at BOSS direct employment, leveraging the **AB experimental platform** to facilitate rapid iteration of algorithmic strategies. As a Senior Software Developer, my responsibilities included orchestrating the seamless integration of various modules such as request sorting, policy configuration, data printing, log distribution, plug-in management, and effect statistics. This integration encompassed all stages of the recommendation process, enabling agile and effective algorithmic strategies. Utilizing advanced technologies such as Kafka for real-time data processing and Zookeeper for distributed coordination, we ensured robust support for the entire recommendation business. My role encompassed designing and implementing scalable, high-performance systems, aligning with business objectives to drive innovation and enhance user experience.

Technologies:

Kafka, Zookeeper, Spring Framework, MyBatis, MySQL, Maven, Git, Shell, Hive

Intermediate Engineer   Suning Nanjing, China   June 2016 – Sep 2018

- **Project: Data Integration**

Introduction:

The Data Integration project stands as a primary initiative within the Suning Data Cloud system, dedicated to furnishing comprehensive data **ETL services** across the entire Suning industry chain. Employing a distributed architecture and multi-threaded collaboration, the system ensures stability, streamlined task configuration, and rapid data migration. The Data Integration project encompasses two distinct components: a web-based task management portal and a server responsible for executing data flow tasks. The web service facilitates task management, tracking, and operations, while the server orchestrates actual data interactions for data flow tasks. This setup enables efficient task management and seamless data exchange within the system.

Supported Data Sources:

RDB (Mysql, Oracle, Postgrel, SQL Server, DB2, Mycat), FTP, Hive, Hbase, Hdfs, and Kafka.

Technologies:

   HIVE, Kafka, Zookeeper, Yarn, MongoDB, PostgreSQL

EDUCATION

- ➤ **Master of Science in Computer Science (Advanced Programming Specialization)**
  Fairleigh Dickinson University, Canada   3.8   Grade A
  May 2023 – July 2024

- ➤ **Bachelor of Science in Computer Science**
  Shandong University, China   3.6 Grade A
  Sep 2012 - Jun 2016