Xingjian Wu

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New York City, New York

EDUCATION

Stevens Institute of Technology   Hoboken, New Jersey
Master of Computer Science   Jan 2022 – Dec 2023
Southern University of Science and Technology (SUSTech)   Shenzhen, China
Bachelor of Computer Science   Sep 2016 – Jun 2020

WORK EXPERIENCE

Shenzhen Sailvan Network Technology Co., Ltd.   Shenzhen, China
Software Engineer   May 2021 – Feb 2022

- Utilized Database Sharding with **Apache** S**hardingSphere** on the tables with billions of rows
- Logged with **AOP** and stored in **Elasticsearch** and supported searching logs by querying multiple indices
- Optimized large **MySQL** Database by adding cover indices and redundant fields
- Wrote **Maven** build script for a multi-module **Spring Boot** project for loosely decoupling
- Generated millions of test data using **SQL Stored Procedure** to test queries performance with multiple tables
- Refactored exporting data utils and performed **JUnit** tests integrated with **Spring Boot**
- Developed an alarm bot using WeChat group SDK to monitor healthy metrics of servers by their heartbeat
- Optimized large offset queries in **SQL** pagination by 95% through editing querying clause

SELECTIVE PROJECTS

Uber Eat liked Food Order System
- Added full-text search for Chinese descriptions utilizing **Elasticsearch** and optimized Chinese Words Segmentation
- Implemented token-based Authentication with **Spring Security** and **JWT**
- Setup a **Jenkins** Build Server on **AWS EC2** instance
- Incorporated **WebSocket** and **RabbitMQ** middleware for High Availability real-time notification
- Utilized **Hibernate** as ORM framework and Cache-Aside pattern to keep consistency between **MySQL** and **Redis**
- Integrated **Swagger** to inspect API request-responses

Virtual items marketplace monitoring and notification System
- Applied **Selenium** to Simulate Manual Actions to scrape virtual items from marketplace websites
- Used **Crontab** and **Shell** script to execute the scraping and cleaning up outdated data
- Designed dashboard web application to edit wish lists with **Bootstrap** and **Express.js**
- Built and deployed **Docker Compose** to Alibaba Cloud Elastic Compute Service

Tickets Booking System
- Integrating **Apache Shiro** to implement authentication and authorization between different roles
- Implemented RESTful API for tickets management in **Spring MVC** and designed Database using **MongoDB**
- Customized and developed reusable Vue components in the **Vue.js** framework to construct web pages

SKILLS

Languages: Java, JavaScript, Python, Shell, SQL, HTML, CSS
Tools: Maven, Git, Jenkins, Crontab, Swagger
Frameworks: Spring Boot, Vue.js, Docker, React, Node.js, Express, Hadoop, AWS, jQuery, Bootstrap, Linux, Apache Shiro, Spring MVC, Hibernate, MyBatis, Spring Security, JUnit, SSH
Software: Redis, RabbitMQ, WebSocket, Elasticsearch, MongoDB, MySQL, Nginx, Kafka, Postman