**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 to improve performance
* Wrote **Maven** build script for a multi-module **Spring Boot** project for loosely decouple
* Generated millions of test data using **SQL** **Stored Procedure** to optimize queries performance with multiple tables
* Refactored exporting data utils class codebase 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* Used **Crontab** and **Shell** script to execute the scraping and cleaning up outdated data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
* Reused existing browser session in **Selenium** to save page loading time

**Tickets Booking System**

* Integrating **Apache Shiro** to implement authentication and authorization between different roles
* Implemented RESTful API in **Spring MVC** architecture and designed Database structure using **MongoDB**
* Customized and developed reusable Vue components in the **Vue.js** framework to construct web pages

**SKILLS**

**Languages:** Java, PHP, 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:** Nginx, Redis, Kafka, RabbitMQ, WebSocket, Elasticsearch, MongoDB, MySQL, Postman