# *RESUME*

Zhang Weihua

*Company: SP Group (Singapore Power Limited)*

*Project Name: Information Technology & Security, DevTech*
*Information Technology & Security, Market Support Systems*

# Zhang Weihua
## Software Engineer

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## *Objective*

To secure an internship in a dynamic and innovative organization where I can apply my skills in software development and gain hands-on experience in creating cutting-edge solutions. I am eager to contribute to projects, collaborate with multidisciplinary teams, and further develop my expertise in software engineering.

## *Education Background*

**National University of Singapore**                                               **Aug 2023-Present**
- Master of Technology in Software Engineering
- Main Courses: Architecting Scalable Systems, Cloud Native Solution Design, DevSecOps Engineering and Automation, Designing Modern Software Systems.

**University of Electronic Science and Technology of China**          **Sep 2019-Jul 2023**
- Software Engineering (Bachelor of Engineering)
- GPA: 3.42/4.0
- Main Courses: Program Design and Algorithm Foundation, Computer Architecture, Computer Operating System and Practice, Principles of Database and Application, Computer Networks, Software Engineering and Practice, etc.

## *Key Skills*

- Technical: Java | Spring Boot | Spring Cloud | Smart Contract | VUE | Git | Database
- Soft: Leadership | Problem-solving| Communications

## *Project Experience*

**Blog System Based On Spring cloud**                                               09/2023-10/2023
- Spring Security for Authentication and Authorization. Used Eureka framework to implement service registration and discovery. Adopted Nginx framework to process load balancing and Mybatis-Plus for DAO layer. Used Dubbo RPC framework for interaction with other services. Built RDB server and designed the tables.

**NFT Platform based on Ethereum**                                               03/2023-05/2023
- Completed the design of the interface prototype diagram, and implemented page development, interaction and logic through the interfaces based on the Vue framework.
- Used JS API to interact with Ethereum blockchain and Spring Boot framework for backend application. Deployed it to TenCent cloud server after Integration testing.

**Ouyeel Blockchain Real-Time Consensus System**                                   05/2022-08/2022
- Retrieved blockchain transaction hash in database by SN, used Java API to get the transaction info by hash, used utils to reverse sequence and turned it into object. Decoded the field of encrypted data. Then transited the data to the clients.
- Used VUE framework to build frontend application, allowing user to get transaction data by above processes.
- Tested the functionalities by Junit and finish the Integration testing.

## *Internship Experience*

**Ouyeel Co., Ltd.**                                                               02/2022-08/2022
*Blockchain Researcher  (Intern)*
- Learned blockchain development, including solidity, frontend and backend development. Conducted application architecture, blockchain system development, and testing.