**SHEN, Si Tong**

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**SKILLS**

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| **Languages:**  Cantonese, Mandarin, English  **Tech Stack:**  Java, Servlet, Spring MVC , Mybatis, SpringBoot, RabbitMQ, WebSocket ; MySql, Redis, MongoDB ; Docker, Linux, CentOS, XShell, MobaXterm, Git, Maven, Tomcat, Postman ; HTML, CSS , JS, Bootstrap.  **EDUCATION** |
| **City University of Hong Kong Sep 2024 - Nov 2025**  Major:E-commerce Computer, Master  **Course highlight:**  Big data algorithm and technology , Information security of e-commerce , System analysis and design.  **NorthEast Agriculture University, China 2019-2023**  Major: Computer Science, Graduate  **Course highlight:**  Data Structures, Computer Systems, Operating Systems, Computer Networks, Python, C, C++ etc.  **WORK EXPERIENCE** |
| **PeakRe**  **Tianxun Ruida Communication Technology Co., Ltd. , Guangzhou**  **Back-end developer Intern (Oct 2023 - Jan 2024)**  ***Project:* Canteen Management System for Government Agencies in Dongguan**  ***Responsibilities and tasks:***  ·Participated in developing backend modules for personnel, dishes, goods, and warehouse management. This includes **pagination** for data queries, and basic operations functions. Utilized **ExcelUtils** for data import/export using **Stream** and managed **file upload**/**download** functionalities. Implemented Blowfish **encryption** for data security.  ·Created a custom **tool** class for automatic generation of unique identifiers, which significantly reduced code redundancy and eased the development workload.  ·Employed **AOP** and **annotations** to handle duplicate data processing and submissions, ensuring data consistency.  ·Utilized data dictionary to store fields, **optimize index** ,reducing database storage load ,improving query efficiency.  ·Interacted with the front-end using **Swagger**, maintaining timely and effective communication to resolve data **synchronization** issues and choose optimal data structuresfor simplicity and convenience.  ·Enhanced project features according to new user requirements. Modified complex logic structures, including adjustments to the inventory tables. Implemented multi-condition checks to determine storage methods for various inbound processes such as direct transfer, procurement, replenishment, and returns. Clarified complex business workflows and designed logical structures to ensure rational processes.  **PROJECT EXPERIENCE** |

***Project:*Group Time (2024)**

***Project Background:*** To help users avoid bad experiences and bad AD., this app allows users to share and recommend restaurants and dishes within groups, and flag poor quality food. Users can set flexible post visibility, and the app categorizes shared content for easy searching.

***Responsibilities***

·Responsible for overall project design, requirements analysis, database table design, and backend development in a **RESTful** style, including modules such as user, blog, diary, shop, brand, and group.

·Addressed **cache penetration** issues using **Redis** and employed **LUA** scripts to ensure **multi**-**threaded** concurrency safety for coupon flash sales, preventing issues such as one person placing multiple orders and overselling.

· Utilized **RabbitMQ** to process orders and handle order cancellation upon timeout, ensuring message reliability.

·Implemented login and authentication using **Redis and token** technology, with custom **interceptors** for user authentication. Token validation is managed through **ThreadLocal** in conjunction with interceptors.

***Project:*TakeOut Order Manage System (2023)**

***Project Background:*** Developed a food delivery platform for merchants and users based on Spring Boot, The mobile mini-program allows users to browse dishes, add items to the cart, and place orders online.

***Responsibilities***

·Independently developed 70 APIs, including shopping cart, menu, order, and personnel management modules.

·Established a long connection between the user client and server using **WebSocket**, enabling order notifications and customer reminders.Implemented login and authentication using **JWT** tokens.

·Implemented scheduled order status processing using **Spring Task**, including automatic order cancellation upon timeout.