

042810

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Back-end engineer

## EDUCATION

### Zhejiang University

2018.08 - 2021.05

Chemical Engineering Master

- A method of preparing covalent organic framework for harmful gas detection (authorized)
- Applied Organometallic Chemistry journals published papers (published)

### Nanjing University of Technology

2014.07 - 2018.06

Chemical Engineering Bachelor

- GPA:89.62 / 100 (professional top 5%)
- Second-class scholarship every semester

## PROFESSIONAL EXPERIENCE

### Tencent Technology (Shenzhen) Co.Ltd

2021.07 - Present

Back-end engineer

Shenzhen

Responsible for content management and data statistics-related services in B2B service.

The main work includes:

- Provide diversified institutional content of functional design;
- Provide approval and monitoring of production content on the management side
- Provide institutional transaction data computing services

Technical field: Java, Redis, Mysql, Linux, RPC, Spring, Python, JS, etc.

## PROJECT EXPERIENCE

### Functional design of recommendation

- Background: Provide the management process of tags written by organizations to introduce their product and manager
- Implementation: MySQL database table design, interface idempotent operations
- Solution: Use JSON to store tags and use optimistic locks to ensure idempotent operations.

### Merchant information management

- Background: Store the merchant information of the organization and synchronize it to the downstream immediately for reconciliation
- Implementation: MySQL table design, the scheduled task for synchronizing information
- Solution: Synchronize merchant information by polling manner to ensure data consistency

### Real-time transaction data calculation

- Background: Calculate the transaction details of the company's fund
- Implementation: Use multi-threaded asynchronous to calculate; extensive data query optimization
- Solution: Use thread pools to access compute and create indexes to optimize queries asynchronously

### Content statistics calculation

- Background: Calculate product-related data based on Institutional statistics
- Implementation: Build index to query and use multi-thread to calculate
- Solution: Use thread pool to compute an efficient query through SQL indexes

## Language and interest

- Languages: English (CET-6)