

Kingsley Yau

Senior Full-Stack Development Engineer with 4 years of experience in large-scale enterprise application development. Led projects from scratch to delivery, serving tens of millions of users. Proficient in Java/Python full-stack technologies (Spring Boot/Django/Vue.js/TypeScript), skilled in distributed systems and microservices architecture design. Capable of independently developing TOC/TOB products, led the construction of high-concurrency systems processing millions of requests daily, ensuring real-time stability for platforms with over 30 million registered users.

Personal Website: <https://www.kayleh.top>

Skills Summary

- Solid foundation in Java/Python, familiar with JVM basics, common collections, and multithreading concurrent programming.
 - Proficient in commonly used web frameworks such as SpringBoot/Django, and ORM frameworks like Mybatis/Spring Data JPA.
 - Understanding of microservice architecture, familiarity with major service governance components in the SpringCloud ecosystem, and Docker containerization deployment.
 - Knowledgeable about TCP/IP and HTTP protocols.
 - Familiar with relational databases including MySQL, PostgreSQL, Dameng, and Kingbase, capable of SQL optimization; acquainted with NoSQL databases like Redis.
 - Familiar with XXL-job scheduled tasks, MQ message queues, and Redission distributed locks.
 - Familiar with Linux systems and common commands, able to write simple Shell scripts.
 - Familiar with common design patterns, data structures, and algorithms.
 - Tools: Maven, Git/SVN, Swagger, etc.
 - Skilled in front-end development technologies including HTML5/CSS3/ES6, Vue, WeChat Mini Programs, JS/TS, Element-ui.
 - Other: Experience in domestic cloud construction and delivery, compliance and security operations for cloud platforms.
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Work Experience

Guangzhou Zhengyi Information Technology Co., Ltd - Backend Developer (2021/05 - 2025/04):

- Participated in discussions on original product requirements, provided feedback on development schedules.
- Completed core code development and group code reviews.
- Followed up on debugging and testing progress, completed server-side releases.
- Product iteration.
- Discussed system architecture and performance optimization.

Dongguan Guangyi Traditional Chinese Medicine Research Center (Limited Partnership) - Administrative Specialist/Assistant (2020/12 - 2021/05):

- Responsible for comprehensive management of daily logistics affairs, including but not limited to office environment maintenance, employee benefits planning.
- Coordinated internal and external relationships to ensure smooth reception and logistics work.
- Monitored progress, promoted effective execution and timely completion of various plans.
- Accurately conveyed superior instructions, promptly handled all kinds of urgent matters, ensured smooth company operations.

Dongguan Guangyi Traditional Chinese Medicine Research Center (Limited Partnership) - Content Operations (2020/07 - 2020/12):

- Responsible for formulating and executing content operation strategies to enhance brand influence.
- Created high-quality original content, including but not limited to articles, reports, and social media posts, to attract and retain target audiences.
- Monitored and analyzed content performance data, adjusted operational strategies to increase user engagement and content reach.

Education Background

2025-2028 Computer Science and Technology, Jinan University

- Main Courses: Principles of Computer Composition

2018-2021 Business Administration, Guangdong Food and Drug Vocational College

- Main Courses: Corporate Strategic Management

Project Experience

Fast-Moving Consumer Goods QR Code Marketing System (DAU 300K+, Total Users 20M)

1. Designed and implemented QR code generation and management modules to ensure uniqueness and system stability.
 2. Developed a point mall feature, including product display and points exchange processes, enhancing user engagement and loyalty.
 3. Implemented an order tracking system, linking online transactions with offline verification through QR codes, optimizing user experience.
 4. Participated in backend service development supporting high-concurrency scenarios such as scanning verification, data collection, and analysis.
- Designed a JWT multi-terminal unified authentication solution, achieving secure access for suppliers and external users, handling an average of 40K user registrations per day;
 - Utilized MQ queue decoupling for asynchronous buffer verification of scan permissions, ensuring 99.9% real-time response for 300K+ daily scans;
 - Adopted Redisson distributed locks to solve overselling issues in the point mall, increasing concurrent order processing capacity to 5K+/sec;
 - Developed electronic agreement signing functionality via handwriting boards, simplifying business signing processes.

Marketing Automation System for Fast-Moving Consumer Goods (Terminal Scale 4M+)

1. Led the design and development of a marketing automation system for fast-moving consumer goods, focusing on optimizing sales process management and improving the efficiency of managing customer information throughout its life-cycle.
 2. Developed a sales opportunity tracking system to ensure the sales team responds promptly and follows up effectively on potential opportunities.
 3. Ensured the standardization and completeness of the entire sales process, supporting continuous business growth through iterative system improvements.
- Led the development of store visit flow configuration, area management modules, market activity management, and asset allocation modules, supporting over 100K terminal visits and operations daily;
 - Integrated third-party forms for automated data collection, designed multi-threaded data push interfaces, completing synchronization of 4M terminal data to third-party platforms within 3 hours;
 - Built a Baidu AI commodity image annotation system, improving shelf product recognition accuracy to 95%.

- Responsibilities:**
1. Led the development of store visit flow configuration, area management modules, market activity management, and asset allocation modules, supporting over 100K terminal visits and operations daily
 2. Integrated third-party forms for automated data collection, designed multi-threaded data push interfaces, completing synchronization of 4M terminal data to third-party platforms within 3 hours;
 3. Built a Baidu AI commodity image annotation system, improving shelf product recognition accuracy to 95%.

Basic knowledge of **C**, **x86 assembly**, **Forth**, **Common Lisp**

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