KINGSLEY YAU

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A senior full-stack development engineer with 4 years of experience in developing large-scale enterprise applications. I have led the delivery of projects with tens of millions of users from scratch. Proficient in the Java/Python full-stack technology stack (Spring Boot/Django/Vue.js/TypeScript), and skilled in the design of distributed systems and microservices architectures. Capable of independently developing TOC/TOB products, I have led the construction of high-concurrency systems that handle millions of requests per day, ensuring the real-time and stable operation of platforms with over 30 million registered users.

SKILLS

- Solid foundation in Java/Python, familiar with JVM basics, common collection classes, and multithreaded concurrent programming.
- Proficient in using common web frameworks such as Spring Boot and Django, and ORM frameworks such as MyBatis and Spring Data JPA.
- Familiar with microservices architecture, major service governance components in the Spring Cloud ecosystem, and Docker containerization deployment.
- Familiar with TCP/IP and HTTP protocols.
- Familiar with relational databases such as MySQL, PostgreSQL, Dameng, and Kingbase, with certain SQL tuning capabilities, and familiar with NoSQL databases such as Redis.
- Familiar with XXL-job scheduled tasks, MQ message queues, and Redisson distributed locks.
- Familiar with the Linux system and common commands, able to write simple Shell scripts.
- Familiar with common design patterns, data structures, and algorithms.
- Common tools: Maven, Git/SVN, Swagger, etc.
- Proficient in HTML5/CSS3/ES6, Vue, and WeChat Mini Programs, and familiar with front-end development technologies such as JS/TS and Element UI.
- Others: Experience in the delivery of domestic independent innovation cloud construction, experience in security operation and maintenance of classified protection and cloud platforms.

WORK EXPERIENCE

Guangzhou Zhengyi Information Technology Co., Ltd., Backend Development   2021/05 – 2025/04

Zhengyi is a professional provider of mobile information software products and services, and it is the first company in the industry to combine interactive systems with business systems. It mainly engages in the research and development of enterprise management software, big data, and mobile internet software.

- Participate in discussions of the original product requirements, complete core code development, and conduct internal code reviews.
- Iterate on the product, follow up on integration testing progress, and complete server release.
- Discuss system architecture and performance optimization.

Dongguan Guangyi Traditional Chinese Medicine Research Center (Limited Partnership), Administrative Commissioner/Assistant/Content Operations   2020/06 – 2021/05

Guangyi Traditional Chinese Medicine Research Center is a research institution focused on the field of traditional Chinese medicine, dedicated to promoting the modernization and internationalization of traditional Chinese medicine, planning cultural and artistic exchange activities, exhibition events, and disseminating knowledge about health care in traditional Chinese medicine.

- Create high-quality original content to enhance brand influence. This includes but is not limited to articles, reports, and social media posts to attract and maintain the target audience. Monitor and analyze content performance data, adjusting operational strategies to improve user engagement and content dissemination.
- Responsible for the comprehensive management of the company's daily logistics affairs, including but not limited to office environment maintenance and employee benefits planning.
- Coordinate internal and external relationships to ensure smooth reception for visitors and the various logistical tasks.
- Supervise progress and promote the effective execution and timely completion of various plans.
- Accurately communicate upper management's directives and promptly handle various emergencies to ensure the smooth operation of the company.

PROJECT EXPERIENCE

Fast-Moving Consumer Goods QR Code Marketing System (DAU over 300,000, total user volume 20 million)

The fast-moving consumer goods QR code marketing system is a QR code marketing platform aimed at internal enterprises, suppliers, and external consumer users, designed to achieve full lifecycle management of QR code marketing through processes such as code package production, scanning QR code red envelopes, and expense reconciliation.

- Designed a unified JWT multi-end authentication solution to enable secure access for vendors and external users, handling an average of 40,000 user registrations per day;
- Decoupled scanning process through MQ queues to asynchronously address performance issues in high concurrency scanning scenarios, ensuring 99.9% real-time response for over 300,000 daily scanning requests;- Designed and developed a points mall feature, using Redisson distributed locks to resolve overselling issues in the points mall, and improved concurrent order processing capability to over 5,000 orders per second;
- Developed an electronic agreement signing feature for writing board, simplifying the business signing process.

Fast-Moving Consumer Goods Marketing Automation System (Terminal scale over 4 million)

aimed at enhancing the efficiency of sales teams and customer relationship management capabilities through systematic sales opportunity tracking, customer information management, and the standardization of sales processes.

- Led the configuration of the store visit process, the area management module, trade promotion management, and asset management module development, supporting over 100,000 terminal visits daily;
- Integrated third-party forms to achieve automated data collection of sales data, designed a multi-threaded data push interface, and completed the synchronization of 4 million terminal data to third-party platforms within 3 hours;
- Designed and refactored the file upload service, supporting multi-file service switching, enhancing the stability and scalability of the file upload service.
- Built an AI product real-scene icon annotation system, improving shelf product identification accuracy to 95%.

Municipal Education Bureau Quality Monitoring Platform, Backend Development

By digitally transforming the quality monitoring and evaluation system, we created an evaluation management platform that serves the education bureau, street offices, and kindergartens, while meeting localization and data security compliance requirements.

- Implemented field-level dynamic encryption based on MyBatis, certified by domestic cloud security assessment;
- Led the migration from MySQL to PostgreSQL/Dameng database, designed a multi-data source synchronization framework, increasing data aggregation efficiency by 60%;
- Established a dual-active disaster recovery architecture and automated backup system, achieving 99.99% system availability throughout the year.

State Power Investment Corporation Visitor Management System, Backend Development

An intelligent visitor management platform aimed at large group enterprises, supporting the entire online process and high security control.

- Participated in requirement analysis and led the design of technical solutions, completed system architecture setup and core function development;
- Designed visitor approval and permission classification modules;
- Used JMeter for stress testing to identify database bottlenecks, optimized SQL indexing and sharding strategy;

证书

- CET-4，Fluent in reading and writing English
- Applied Software Engineering Fundamentals
- IBM Back-End Development

EDUCATION

Jinan University, Computer Science and Technology

- Courses such as operating systems, databases, data structures, algorithm design and analysis, etc.