RENDA ZHANG

CONTACT

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PROFESSIONAL EXPERIENCE

COMPANY: MICHAELS (SHENZHEN) TECHNOLOGY SERVICES COMPANY LIMITED

Nov 2020 - Till Now

Software Development Engineer Backend, Michaels E-Commerce Platform

Product Lifecycle Management (PLM) Project:

- **Product Onboarding**: Spearheaded the development and optimization of product onboarding processes, ensuring comprehensive capture of product details and seamless readiness for sale.

- **Lifecycle Stages Management**: Architected the platform's capability to transition products through introduction, growth, maturity, and decline stages, enhancing product lifecycle tracking.

- **Inventory Management**: Pioneered inventory tracking features, implementing restocking alerts and inventory management functionalities, resulting in a 15% reduction in stockouts.

- **Supplier Integration**: Led the integration of the platform with multiple suppliers, streamlining product detail acquisition, inventory management, and order fulfillment.

- **Analytics & Reporting**: Developed robust reporting features, providing stakeholders with critical

insights into product performance, sales trends, and other vital metrics.

- **Cross-functional Collaboration**: Collaborated extensively with sales, marketing, and supply chain teams, ensuring the platform's alignment with diverse departmental needs and workflows.

MakerPlace Project:

- **Platform Development**: Played a pivotal role in the development of the MakerPlace platform, a marketplace for artisans and crafters, which saw a user base growth of over 200% in its first year.

- **Feature Implementation**: Led the development of key features, including seller registration, product listing, and order management, enhancing platform usability and efficiency.

- **Security Enhancements**: Implemented JWT token key rotation for login authentication, transitioning from symmetric to asymmetric encryption, bolstering platform security.

- **Performance Optimization**: Identified and rectified slow database queries, optimizing MongoDB indexes, resulting in a 30% improvement in database query performance.

- **Collaboration & Training**: Worked closely with the infrastructure and QA teams, ensuring smooth feature deployments and platform updates. Conducted training sessions for junior developers, enhancing team productivity.

COMPANY: SAMSUNG MOBILE R&D CENTER - GUANGZHOU

May 2018 - June 2019

Software Engineer, Android Application

- Designed optimal Android applications meeting specific requirements.

- Implemented Android applications ensuring compatibility and functionality within the Android development environment.

- Addressed and resolved issues arising from the verification department or market, enhancing the quality of Android applications.

- Coordinated and scheduled meetings related to patent discussions.

- Participated in Samsung's software certification tests.

PROJECT EXPERIENCE

PROJECT NAME: ONLINE EDUCATION PLATFORM

Jun 2020 - Nov 2020

- Java Backend Development: Utilized Spring Boot and Spring Cloud as the development framework.

- Reverse Proxy Tool: Employed Nginx for optimal request handling.

- Database Management: Used MySQL with Druid as the connection pool for structured data storage.

- Message Handling: Integrated RabbitMQ as the message broker and Kafka for high-performance data pipelines.

- Caching: Implemented Redis for enhanced data retrieval speeds.

- Search Engine: Integrated Elastic Search for efficient data querying.

- Image Storage: Adopted FastDFS as the primary image server.

- Front-end Development: Improved codebase using Vue.js.

- Containerization: Utilized Docker to package applications into isolated containers.

- Backend System: Developed using Spring, SpringMVC, and MyBatis.

PROJECT NAME: ONLINE SHOPPING MALL

Nov 2019 - May 2020

- Java Backend Development: Utilized Spring Boot and Spring Cloud as the development framework.

- Reverse Proxy Tool: Employed Nginx for optimal request handling.

- Database Management: Used MySQL with Hikari as the connection pool and MongoDB as the document database.

- Caching: Implemented Redis for enhanced data retrieval speeds.

- Search Engine: Integrated Elastic Search for efficient data querying.

- Image Storage: Adopted FastDFS as the primary image server.

- Front-end Development: Improved codebase using Vue.js.

- API Documentation: Adopted Swagger for clear and structured API documentation.

EDUCATION

BACHELOR OF COMPUTER SCIENCE

December 2017

College of Science and Engineering, University of Minnesota-Twin Cities

Minneapolis, MN

GPA: 3.79

SKILLS

COMPUTER SKILLS

- Programming Languages: Java, HTML, CSS, JQuery, Bootstrap, JavaScript, Vue.js, C/C++, Python, PHP, Clojure, SQL

- Java Frameworks: Spring Framework, MyBatis, Android

- Development Tools: IntelliJ Idea, WebStorm, DataGrip, Postman, Nginx, Tomcat, Android Studio, Maven, Git

- Operating Systems: Unix/Linux, Windows

- Concepts & Protocols: Agile Software Development, Distributed System, RESTful, HTTP, TCP, OAuth2, OpenAPI, JWT, Code Review, Program Optimization

LANGUAGE SKILLS

- Chinese (Mandarin and Cantonese): Native Proficiency

- English: Professional Working Proficiency

ADDITIONAL SKILLS

- Team Collaboration, Independent Work, Meeting Deadlines, Problem Solving, Leadership, Adaptability

EXPERIENCE

ENGLISH TUTOR, PART-TIME

Guangzhou, China

2019 - 2020

- Delivered personalized English lessons, significantly enhancing students' language proficiency.

- Collaborated with students to pinpoint improvement areas, offering targeted exercises for comprehensive understanding.

- Regularly updated lesson plans, reflecting on student feedback and progress.

- Efficiently managed schedules to cater to multiple students concurrently.

- Supported students with English assignments, resulting in marked grade improvement.

- Offered insightful feedback to students, promoting their consistent linguistic growth.

GROUP MEDITATION PARTICIPANT

University of Minnesota Twin Cities, Minneapolis, MN, US

2014 - 2017

MATH TUTOR

University of Minnesota Crookston, Crookston, MN, US

Fall 2014

- Provided tutoring in college-level math, clarifying complex concepts and improving student comprehension.

CLEANER

Lee Academy, Lee, Maine, US

2014

- Maintained cleanliness of indoor areas and landscaped outdoor spaces, ensuring a conducive environment.

CROSS-COUNTRY RUNNER

Lee Academy, Lee, Maine, US

2012 - 2013

- Competed in cross-country races, demonstrating endurance and team spirit.

- Actively participated in group training sessions, enhancing physical fitness and teamwork.