RENDA ZHANG

Java Backend & Platform Engineering | Cloud-Native | Full-stack friendly | Fluent English

CONTACT

Backend Engineer with 5 yrs building cloud-native systems on Java/Spring. Delivered GCP & AWS micro-services with Kubernetes/Terraform, CI/CD automation and high-concurrency tuning.

Comfortable collaborating in agile, English-speaking teams. Comfortable reading & writing Node.js / TypeScript services when needed.

Address: Nanshan District, Shenzhen City, Guangdong Province, China 518000
Contact: +86-13925067232 / 952402967@qq.com
Website: https://www.rendazhang.com
Status: Open to cloud-native backend roles (1-month notice)

EDUCATION

UNIVERSITY OF MINNESOTA - TWIN CITIES

College of Science and Engineering
Bachelor of Science, Computer Science
Sep 2014 – Dec 2017 | GPA: 3.79
Minneapolis, MN, USA

CERTIFICATIONS

AWS Certified Solutions Architect – Associate, SAA-C03, Issue Date: Jun 16, 2025

TECHNICAL SKILLS

- **Backend:** Java; Spring Boot; Microservices; API design; Auth/OAuth2/OIDC; Idempotency; Rate limiting; MySQL/Aurora; Redis; Kafka/SQS
- **Cloud / Platform Engineering:** Docker; Kubernetes; CI/CD (GitHub Actions / Argo CD); Observability (OpenTelemetry / Prometheus / Grafana); SLO; Blue-Green / Canary; Cloud: AWS (EKS / IAM / ALB / S3 / CloudFront); RBAC; OIDC / IRSA; IaC (Terraform / CDK); Nginx / CDN
- **Frontend Collaboration:** React; TypeScript; Routing & Forms; SSR / CSR / Selective hydration; Performance; Sentry; CSP; BFF

PROFESSIONAL EXPERIENCE

SHENZHEN FANXIN TECHNOLOGY

Jun 2024 - Present | Shenzhen, China
Java Backend Engineer

API-first SaaS with a merchant console, developer portal and embeddable widgets. I lead Java backend and cloud-native delivery, and partner with frontend to raise stability and user experience.

Key Responsibilities:

- Drove microservice design and API contracts, strengthened auth, idempotency and rate-limiting, and standardized error mapping with OpenAPI-driven docs and SDKs.
- Built CI/CD and multi-environment releases, using blue-green, canary and feature flags to keep releases safe and instantly roll back when needed.
- Established end-to-end observability across metrics, traces and structured logs, created actionable dashboards and runbooks to speed up troubleshooting.
- Ran services on Kubernetes with clear probe gates and HPA for elasticity, enforced immutable images and config-as-code, and applied least-privilege access.
- Optimized data paths with relational storage plus Redis caching, and decoupled flows with a message queue using dedupe, retry and DLQ patterns.
- Partnered with frontend to ship the merchant console, developer portal and embeddable widgets, choosing SSR, CSR or selective hydration by page type and linking Sentry events to backend traces.

MICHAELS (SHENZHEN) TECHNOLOGY SERVICES COMPANY LIMITED

Nov 2020 - Apr 2024 | Shenzhen, China
Software Development Engineer Backend, Michaels E-Commerce Platform

Key Responsibilities:
- Architected and launched the consumer-facing Michaels.com e-commerce platform from scratch, processing high-volume traffic and supporting end-to-end order journeys.
- Led GCP-based containerized deployments using Kubernetes and Docker across development, staging, and production environments, integrating CI/CD pipelines for automated rollout.
- Established agile processes from the start, driving Scrum practices such as sprint planning, retrospectives, and governance as the team scaled from ~15 to over 300 engineers.
- Led backend development for core business modules in PLM and MakerPlace platforms, including product onboarding, inventory, order flow, and user systems.
- Actively contributed to agile development processes, including sprint planning, daily stand-ups, task tracking, and retrospectives, ensuring timely delivery and rapid feedback loops.
- Collaborated closely with frontend, QA, and DevOps teams to support continuous delivery, canary releases, and high-frequency production deployments across microservices.
- Maintained backend configuration files for multiple environments (dev, staging, production), adjusting logging, security, and integration parameters during release cycles. Prepared pre-release data warm-ups and cache initialization to ensure smooth user experience post-deployment. Created and updated database migration scripts to accommodate evolving business logic and schema adjustments during product iterations.
- Developed unit and integration test cases using JUnit and Mockito, improving backend service reliability and supporting CI pipelines via GitLab CI/CD.
- Conducted backend API load testing with JMeter to identify and resolve latency bottlenecks in high-concurrency scenarios.
- Implemented backend tracking for key user behaviors (e.g., registration, product views, order flow), supporting frontend event triggers and logging user journeys for operations analysis.

Product Lifecycle Management (PLM) Project:
- Spearheaded the development and optimization of product onboarding processes, ensuring comprehensive capture of product details and seamless readiness for sale.
- Architected the platform's capability to transition products through introduction, growth, maturity, and decline stages, enhancing product lifecycle tracking.
- Pioneered inventory tracking features, implementing restocking alerts and inventory management functionalities, resulting in a 15% reduction in stockouts.
- Led the integration of the platform with multiple suppliers, streamlining product detail acquisition, inventory management, and order fulfillment.
- Developed robust reporting features, providing stakeholders with critical insights into product performance, sales trends, and other vital metrics.
- Collaborated extensively with sales, marketing, and supply chain teams, ensuring the platform's alignment with diverse departmental needs and workflows.

MakerPlace – Consumer-Facing Marketplace for Creative Goods:
- Developed core modules for seller onboarding, product listing, and order management, enabling a smooth consumer shopping experience.
- Implemented secure login mechanisms with JWT rotation and OAuth2 third-party authentication to enhance user trust.
- Designed and delivered clean, well-documented REST APIs for seamless integration with web and mobile clients.
- Conducted API load testing with JMeter, identified bottlenecks, and optimized MongoDB indexing and response payloads—improving throughput by ~30%.
- Developed backend tracking for user interactions, enabling metrics collection for funnel analysis and business insights.

SAMSUNG MOBILE R&D CENTER - GUANGZHOU
May 2018 – Jun 2019 | Guangzhou, China
Software Engineer, Android Application
- Designed optimal Android applications meeting specific requirements.
- Designed and implemented OAuth2 third-party login with Samsung account, including JWT-based authentication flow and application-level security strategies to support Galaxy ecosystem integration.
- Implemented user behavior tracking on Android using Baidu and Adobe Analytics SDKs, covering key actions such as page navigation, button clicks, and session durations. Worked closely with backend and analytics teams to define event structures and enable unified logging for marketing and user behavior analysis.

- 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.
- Developed and maintained Android UI automation test scripts to validate core user flows, contributing to improved regression stability and reduced manual QA workload.
- Coordinated and scheduled meetings related to patent discussions.
- Participated in Samsung's software certification tests.
- Followed agile methodology to coordinate development tasks and feature rollout with design, QA, and PM teams.

CORE STRENGTHS

- 5 years of backend development specializing in Java and Spring Boot, with strong domain experience in e-commerce and transactional systems.
- Experienced in designing and deploying cloud-native services using Kubernetes, Docker, and modern CI/CD pipelines on GCP and AWS.
- Strong architecture mindset with hands-on experience delivering production systems end to end; helped scale engineering teams and establish agile (Scrum) best practices.
- Skilled in building scalable REST APIs, and optimizing performance under high concurrency scenarios.
- Familiar with distributed data architecture and caching strategies ensuring data consistency and low-latency reads.
- Fluent in English and experienced in global collaboration and technical mentoring.

SELECTED HIGHLIGHTS

- (2025) Scored 98/100 on IKM Java 8 assessment (97th percentile globally).
- U.S.-educated with strong command of technical and spoken English; comfortable in cross-border collaboration.
- Previously served as a part-time English tutor, further honing cross-cultural communication skills.

SKILLS

LANGUAGE SKILLS

- **Chinese (Mandarin, Cantonese)**: Native Proficiency
- **English**: Full Professional Proficiency

ADDITIONAL SKILLS

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