

Rohit Kumar

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Backend Software Engineer with 3+ years of experience designing and building scalable, cloud-native backend systems using **Java, Spring Boot, AWS, and event-driven architectures**. Proven expertise in developing microservices, RESTful APIs, asynchronous processing pipelines, and performance optimization using Redis and distributed messaging systems. Experienced in delivering production-grade systems across real estate (MLS), fintech, and CRM domains with a strong focus on reliability, scalability, and clean system design.

Work Experience

Noduco Software Private Limited

July 2024 - Present

Software Engineer

remote

- Designed and built scalable backend microservices for the Builder's Edge platform using **Java, Spring Boot, and Spring Cloud**, owning the end-to-end backend architecture from system design to production deployment.
- Architected **MLS-compliant data ingestion and processing pipelines**, implementing **license-aware access controls, automated refresh mechanisms, and audit-friendly workflows** to meet provider compliance requirements.
- Designed and deployed an **event-driven architecture** using **Amazon SNS, Amazon SQS, and Apache Kafka** for asynchronous processing, message queueing, and real-time data streaming.
- Implemented **Redis (AWS ElastiCache)** as a distributed caching layer, reducing **API response latency by 35%** and lowering **database load by 20%** through optimised read patterns.
- Developed **backend analytics and reporting services**, exposing aggregated MLS and system metrics consumed by internal dashboards.
- Owned **cloud infrastructure and deployments on AWS**, including **EC2, S3, IAM, CloudWatch**, with containerised services using **Docker** and automated **CI/CD** pipelines via GitHub Actions.
- Wrote and maintained **unit and integration tests** using **JUnit and Mockito**, ensuring high test coverage, predictable releases, and production stability.

CBOS IT Pvt. Ltd.

April 2023 - July 2024

Software Developer / Consultant

Remote

- Contributed to the development of an internal **SaaS-oriented platform** by designing and implementing **backend services using Java and Spring Boot**, supporting modular workflows and scalable system growth.
- Built and maintained **backend integrations with third-party data providers**, including **Barbara, Glenigan, and CIS APIs**, enabling automated data ingestion, normalisation, and cross-system synchronisation.
- Designed and implemented **enterprise CRM integrations** across the **Zoho ecosystem** (Zoho CRM, Zoho Books, Zoho People, Zoho Finance Suite), automating lead management, financial operations, HR workflows, and reporting pipelines.
- Implemented a **financial automation workflow** to generate **AIB-compliant transaction XML files** for **EU and UK banking systems**, ensuring accuracy, regulatory compliance, and seamless integration with client payment workflows.

Skills

Core / Languages & Frameworks: Java, Spring Boot, Spring MVC, Spring Data JPA, Spring Cloud, RESTful API design, Microservices Architecture

Databases & Caching: MongoDB, MongoDB Atlas, MySQL, Redis, AWS ElastiCache, NoSQL, Aggregation Pipeline, Indexing, Query Optimization

Cloud & Messaging: Amazon Web Services (AWS), EC2, S3, IAM, CloudWatch, Docker, Kubernetes, Apache Kafka, Kafka Streams, Amazon SQS, Amazon SNS, event-driven architecture, message queue, pub/sub, DLQ (dead-letter queue), FIFO queues

Testing & Tools: JUnit, Mockito, Postman, Swagger / OpenAPI, Maven, Gradle, Git, GitHub, Prometheus, Grafana

Education

Masai School

April 22 - December 22

Backend Development

Bengaluru, Karnataka

Syon College, Punjab University

July 17 - September 20

Bachelor of Arts

Abohar, Punjab