

Lokesh Sharma

Senior Software Engineer | Backend | Java | AWS | Distributed Systems

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Senior Backend Software Engineer with 7+ years of experience building scalable, distributed, and cloud-native systems using Java, Spring Boot, and AWS. Proven expertise in microservices architecture, event-driven systems, and large-scale data processing, handling 1M+ daily transactions with high availability and low latency. Strong track record of performance optimization (up to 80%), codebase reduction (60%), and cost optimization (\$500K+). Experienced in system design, API scalability, cloud infrastructure, and CI/CD automation, with ownership across design, development, and production support.

Technical Skills

Languages: Java

Backend: Spring Boot, Spring Framework, Hibernate, REST APIs

Architecture: Microservices, Event-Driven Systems, Distributed Systems

Cloud & DevOps: AWS Services (API Gateway, DynamoDB, S3, CloudWatch), Docker, Kubernetes, CI/CD, Terraform

Data & Messaging: SQL, NoSQL, Redis, Kafka, IBM MQ

Tools: Git, GitHub, IntelliJ IDEA

Work Experience

Senior Technology Consultant

[Ernst & Young LLP](#) | Gurugram

Customer Output – Investment and Transaction Data Delivery

Delivered secure, scalable, and real-time investment and transaction information to clients in the financial domain, supporting critical decision-making and compliance requirements.

Role & Responsibilities:

- Engineered cloud-native backend services on AWS to deliver real-time investment and transaction data, supporting enterprise financial clients with 99.9% service availability.
- Owned and scaled 25+ reusable microservices consumed by 30+ downstream systems, reducing API response latency by up to 80%.
- Refactored 15+ legacy services, reducing codebase size by ~60% and significantly improving maintainability and test coverage.
- Diagnosed and resolved 60+ production-critical incidents, reducing application crash rates by ~70% within one year.
- Optimized AWS infrastructure and CI/CD pipelines, contributing to \$500K+ annual cloud cost savings.
- Collaborated with global product, QA, and DevOps teams to deliver secure, compliant, and highly available systems.

Software Engineer

[Smartbox Ecommerce Solutions Pvt Ltd](#) | Noida

Smart Digital Lockers – Public Logistics Solution

An innovative logistics infrastructure project in India involving the deployment of smart digital lockers at public locations to streamline last-mile delivery and enhance convenience for users.

Role & Responsibilities:

- Developed scalable Java microservices supporting a nationwide smart locker network with 24/7 availability.
- Designed and implemented an audit & cost-tracking service to monitor messaging and email expenses, improving operational visibility and cost control.
- Refactored core services, reducing the codebase by ~40% without functional regressions.
- Contributed across the entire SDLC including system design, development, deployment, and on-call production support.

Senior Associate Consultant Development - Java

[Oodles Technologies Pvt Ltd](#) | Gurugram

Belfrics – Cryptocurrency Trading Platform

Developed a secure and user-centric web platform for cryptocurrency trading, enabling real-time transactions and portfolio management.

Role & Responsibilities:

- Developed low-latency Java backend services for real-time cryptocurrency trading and portfolio management.
- Delivered 50+ core features and resolved 100+ defects, improving platform stability and performance by ~30%.
- Ensured data consistency, security, and high availability for financial transaction workflows.

IP Messaging – WhatsApp Business API Integration (Customer Communication Management)

Enabled businesses to manage customer interactions efficiently through seamless integration with the WhatsApp Business API for real-time communication.

Role & Responsibilities:

- Designed and built scalable backend services integrating WhatsApp Business APIs for real-time enterprise customer communication.
- Enabled large-scale messaging workflows with reliable delivery and monitoring.

System Design Highlights

- Real-Time Financial Data Platform:** Designed AWS-based microservices architecture using API Gateway, DynamoDB, and event-driven workflows to deliver low-latency financial data at scale.
- Reusable Core Services Platform:** Built shared backend services used by 30+ systems, reducing duplication and improving system consistency.
- High-Availability Public Logistics System:** Designed fault-tolerant services for smart locker infrastructure supporting 24/7 public usage.
- Messaging & Audit Systems:** Designed cost-tracking and monitoring services for large-scale messaging workflows.

Education

Master of Computer Applications (MCA)

Mahatma Jyotiba Phule Rohilkhand University

Aug 2016 - Oct 2019

Bachelor of Science - Mathematics

Mahatma Jyotiba Phule Rohilkhand University

Aug 2010 - Dec 2013

Certificates

CFL-C01 AWS Certified Cloud Practitioner - Amazon Web Services

Feb 2023

Java Programmer - LinkedIn