

# 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**

Mar 2022 - Present

[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**

May 2021 - Mar 2022

[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**

Apr 2019 - May 2021

[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)**

Aug 2016 - Oct 2019

Mahatma Jyotiba Phule Rohilkhand University

**Bachelor of Science - Mathematics**

Aug 2010 - Dec 2013

Mahatma Jyotiba Phule Rohilkhand University

## Certificates

**CFL-C01 AWS Certified Cloud Practitioner** - Amazon Web Services

Feb 2023

**Java Programmer** - LinkedIn