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