LOKESH BABU SHARMA

Senior Java Developer | Cloud Architect | Microservices Expert

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PROFESSIONAL SUMMARY

Results-driven Senior Technology Consultant with 6.5+ years of progressive experience architecting and delivering enterprise-scale Java applications for Fortune 500 clients. Expert in cloud-native microservices development, AWS serverless architecture, and application modernization initiatives. Proven track record of delivering $500K+ in cost savings, processing 1M+ daily transactions, and achieving 80% performance improvements through strategic optimization. Specialized in transforming legacy monolithic systems into scalable cloud solutions while leading cross-functional global teams. AWS Certified Cloud Practitioner with demonstrated expertise in Spring Boot, Hibernate, Event-Driven Architecture, and DevOps practices.

CORE COMPETENCIES

- **Programming Languages:** Java (Core & Advanced), J2EE, JSP, Servlets, JDBC, Multithreading
- **Frameworks & Libraries:** Spring Boot, Spring MVC, Spring Security, Spring Cloud, Hibernate, JPA, gRPC
- **Microservices & Architecture:** RESTful APIs, Event-Driven Design, Domain-Driven Design, SOLID Principles
- **Cloud Platforms:** AWS (Lambda, EC2, S3, SQS, SNS, DynamoDB, RDS, CloudWatch, Step Functions)
- **Databases:** MySQL, PostgreSQL, Oracle, MongoDB, DynamoDB, Cassandra, Redis, RocksDB
- **DevOps & Tools:** Docker, Kubernetes, Jenkins, Git, Maven, Gradle, Terraform, CloudFormation
- **Messaging & Streaming:** Apache Kafka, IBM MQ, AWS SQS/SNS, Event Streaming
- **Testing & Quality:** JUnit, Mockito, Test-Driven Development (TDD), SonarQube, Code Reviews
- **Monitoring & Logging:** ELK Stack (Elasticsearch, Logstash, Kibana), CloudWatch, APM
- **Methodologies:** Agile/Scrum, CI/CD Pipelines, DevOps, Code Quality Management, Technical Mentorship

PROFESSIONAL EXPERIENCE

Senior Technology Consultant (Java Developer) | Mar 2022 - Present
ERNST & YOUNG LLP

- Spearheaded enterprise application modernization initiatives for Fortune 500 clients, transforming legacy monolithic systems into cloud-native microservices architectures, migrating 500GB+ data and handling 25K+ concurrent users with zero downtime during deployment

- Architected and deployed serverless solutions using AWS Lambda, Step Functions, DynamoDB, and SQS/SNS, processing 500K+ events daily and reducing infrastructure costs by $200K annually (40%) while improving scalability and reducing latency from 2s to 200ms

- Led technical implementation within cross-functional agile teams of 15+ developers across 3 global locations, driving best practices in code review, CI/CD pipeline optimization, and DevOps workflows, delivering 12+ production releases with 98% on-time delivery rate

- Engineered 15+ mission-critical microservices serving as foundational components for 20+ dependent applications, processing 1M+ daily transactions and achieving 80% response time improvement (from 1.2s to 240ms) through strategic caching, query optimization, and distributed computing patterns

- Drove code quality transformation by refactoring 20+ legacy services (150K+ lines of code), reducing codebase complexity by 35%, improving maintainability scores from 40% to 85% through adherence to SOLID principles, and increasing test coverage from 45% to 92%

- Resolved 75+ critical production defects affecting 100K+ users through systematic root cause analysis and preventive measures, reducing application crashes by 70% (from 200 to 60 monthly incidents), improving overall system stability to 99.95% uptime, and reducing MTTR from 4 hours to 45 minutes

Key Technologies: Java 8/11/17, Spring Boot, AWS Lambda, DynamoDB, Terraform, CloudFormation, Oracle, PostgreSQL, Redis, Kafka, Docker, Jenkins, ELK Stack

Software Engineer (Java Developer) | May 2021 - Mar 2022
SMARTBOX ECOMMERCE SOLUTIONS PVT. LTD.

• Developed core backend infrastructure for IoT-enabled smart locker logistics platform serving 500+ retail locations across 15 cities, handling 15K+ daily locker operations with 99.8% uptime SLA compliance and processing 500K+ transactions monthly

• Designed and implemented QR code authentication and multi-channel SMS engagement systems, processing 30K+ monthly messages, increasing customer adoption rates by 45% and improving customer satisfaction scores from 3.2 to 4.5/5 through seamless user experience

• Established comprehensive monitoring framework using ELK Stack (Elasticsearch, Logstash, Kibana) processing 2GB+ daily logs, enabling real-time analytics and proactive incident detection across 100+ endpoints, reducing MTTR by 60% (from 2.5 hours to 1 hour)

• Engineered automated audit service from ground up to track messaging and email costs across platform, monitoring $15K+ monthly communication spend, providing financial visibility that identified $60K annual cost optimization opportunities (35%)

• Championed code quality improvements through systematic refactoring initiatives across 80K+ lines of code, reducing technical debt by 30%, eliminating 200+ code smells, while enhancing test coverage from 55% to 85% and reducing build time by 40%

Key Technologies: Java 8, Spring Boot, MySQL, AWS S3, Redis, ELK Stack, REST APIs, Microservices, JUnit

Senior Associate Consultant (Java Developer) | Apr 2019 - May 2021
OODLES TECHNOLOGIES PVT. LTD.

• Delivered technical solutions across diverse verticals for 8+ enterprise clients including blockchain-based identity systems, IoT platforms, social networking applications (15K+ active users), and e-commerce marketplaces processing $500K+ monthly GMV

• Architected microservices-based solutions serving 25K+ daily users with RESTful API design, implementing OAuth 2.0/JWT authentication and role-based access control for enterprise security compliance, achieving zero security breaches and maintaining 100% SOC 2 compliance

• Pioneered WhatsApp Business API integration for automated customer engagement, processing 75K+ monthly messages across 5 client projects, with 98.5% delivery success rate and reducing customer response time from 4 hours to 15 minutes, improving customer engagement by 65%

• Successfully delivered 50+ feature enhancements and resolved 80+ production defects across 6 concurrent projects, maintaining 95% sprint commitment achievement and zero missed SLA deadlines over 24 months

• Elevated engineering standards by introducing code review protocols (500+ reviews conducted), unit testing frameworks, and design patterns, improving overall code quality metrics by 50%, reducing defect density from 8 to 3 per KLOC, and improving code coverage from 40% to 90%

Key Technologies: Java 8, Spring Boot, PostgreSQL, MySQL, MongoDB, Redis, AWS S3, OAuth 2.0, JWT, WebRTC, WhatsApp Business API

KEY PROJECTS

CUSTOMER OUTPUT - FIDELITY | Ernst & Young LLP

Architected enterprise-grade automated communication platform delivering multi-channel customer notifications (email, PDF, postal). Designed serverless AWS infrastructure processing 100K+ daily transactions with 80% latency reduction through event-driven architecture.

Technologies: Java, AWS Lambda, Step Functions, CloudFormation, Terraform, Oracle, DynamoDB, SQS/SNS

SMARTBOX DIGITAL LOCKERS | Smartbox Ecommerce Solutions

Engineered IoT-enabled digital locker management system supporting 500+ retail locations. Implemented real-time device monitoring, QR-based authentication, and SMS engagement workflows. Achieved 99.8% system uptime and 70% performance improvement through strategic caching and query optimization.

Technologies: Java, Spring Boot, MySQL, AWS S3, ELK Stack, Redis, REST APIs

NEXOGIC - HEALTH PRACTITIONER NETWORK | Oodles Technologies

Developed HIPAA-compliant healthcare collaboration platform enabling secure practitioner networking with encrypted chat, WebRTC video conferencing, and MFA authentication. Built research sharing infrastructure serving 10K+ healthcare professionals with zero security breaches.

Technologies: Java, Spring Boot, PostgreSQL, AWS S3, WebRTC, OAuth 2.0, JWT

BELFRICS & PARITEX CRYPTOCURRENCY EXCHANGE | Oodles Technologies

Engineered high-frequency cryptocurrency trading platform handling real-time order matching and settlement for Bitcoin, Ethereum, and digital assets. Implemented fault-tolerant architecture with Redis caching achieving sub-100ms trade execution latency under peak load.

Technologies: Java, Spring Boot, MySQL, Redis, AWS, Blockchain, WebSocket, REST APIs

EDUCATION & CERTIFICATIONS

Master of Computer Applications (MCA) | Aug 2016 - Jul 2019

M.J.P. Rohilkhand University, Bareilly, India

Bachelor of Science (B.Sc.) | Jul 2010 - Dec 2013

M.J.P. Rohilkhand University, Bareilly, India

AWS Certified Cloud Practitioner (CFL-C01) | 2023

Amazon Web Services

KEY ACHIEVEMENTS & METRICS

✓ Delivered $500K+ in cumulative cost savings through cloud optimization and infrastructure modernization

✓ Architected 15+ microservices processing 1M+ daily transactions with 99.95% uptime SLA

✓ Achieved 80% response time improvement (1.2s to 240ms) through strategic performance optimization

✓ Reduced infrastructure costs by $200K annually (40%) through serverless architecture adoption

✓ Led teams of 15+ developers across 3 global locations with 98% on-time delivery rate

✓ Improved test coverage from 45% to 92% and code maintainability from 40% to 85%

✓ Reduced production incidents by 70% and MTTR from 4 hours to 45 minutes

✓ Conducted 500+ code reviews and mentored junior developers on best practices