

SANJAY SINGH BHANDARI

Java Lead Developer | Java Architect | Senior Java Developer

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SUMMARY

Lead Java Developer with 17+ years of experience delivering scalable, enterprise-grade applications. Core expertise in Spring (Boot and MVC), Microservices, REST APIs, and cloud technologies. Played a key role in transforming Opal BPM from a 4-client startup to a trusted partner for 30+ global retailers (Walmart, Amazon, ASDA, HEB, Staples). Passionate about building resilient systems, mentoring developers, and driving continuous innovation in fast-paced environments.

EXPERIENCE

Lead Java Developer – Opal BPM India Pvt. Ltd

Sep 2015 - Apr 2025 | Gurugram | Enterprise Software Company

- Architected and designed scalable, secure, and distributed enterprise applications, leading full-stack development using Spring MVC, Spring Security, Spring Boot, Microservices, ExtJS and ReactJS
- Led development and implementation of OAuth2-based authentication and authorization system, standardizing security across multiple client deployments
- Deployed critical services to UAT/Production, ensuring smooth rollouts with rollback and monitoring strategies
- Mentored and provided technical leadership to a team of 5-7 developers, establishing best practices for code quality and system design
- Implemented cloud-native deployments using AWS EC2 and Docker, enhancing uptime and infrastructure scalability
- Defined and implemented CI/CD strategies with Jenkins and Docker, significantly reducing deployment time and improving release reliability
- Collaborated with cross-functional teams and stakeholders to translate complex business requirements into robust technical architectures
- Architected Exchange Platform – 16 interconnected microservices for multi-tenant e-waste trading (Java 21, Spring Boot 3.x, PostgreSQL, Kafka, Redis) handling buyer/seller orders, trade matching, settlements, and notifications across 5 waste categories with 99.9% uptime and <100ms notification delivery
- Built WRI Connector – RFC 1.2.0-compliant Beckn adapter for identity verification (Python 3.12+, FastAPI, PostgreSQL, Celery) supporting 5+ providers with state machine validation, message ID deduplication, multi-tenant isolation via Ed25519 signatures, and <50ms P95 API latency

Senior Java Developer – TeamLease Services Pvt. Ltd

Apr 2014 - Aug 2015 | Gurugram | Staffing and Recruitment Services

- Owned critical backend modules using Spring MVC, Spring Security and REST APIs in financial systems
- Spearheaded production issue triage, reducing mean time to resolution by 30%
- Collaborated with onshore/offshore teams to align features with finance domain needs

Programmer – PC Solutions Pvt. Ltd

Dec 2010 - Mar 2014 | Gurugram | Technology Solutions Provider

- Built core enterprise services using Java and JSP for booking and operations platforms
- Refactored database queries, improving data layer performance by 20%
- Contributed to version upgrades and performance enhancements

Software Programmer – Comnet Innovations Pvt. Ltd

Dec 2007 - Dec 2010 | Gurugram | IT Solutions and Services Provider

- Developed reporting modules for logistics and sales data visualization
- Participated in SDLC activities, documentation, and QA support for internal tools
- Collaborated with stakeholders to gather business requirements

SKILLS

Programming & Frameworks: Java 8 / Java 17 / Java 21, Spring Boot, Spring MVC, Spring Security, Hibernate, REST APIs, Microservices, Python 3.12+ (FastAPI)

Databases: MySQL, Oracle, MongoDB, PostgreSQL

Cloud & DevOps: AWS (EC2, S3, RDS, lambda, IAM), Docker, Kubernetes, Jenkins, GitLab, Maven, Gradle, CI/CD Pipelines

Messaging & Caching: Kafka, RabbitMQ, Redis, Celery, Spring Kafka

Monitoring & Observability: Actuator, Grafana, Prometheus, OpenTelemetry, structlog

Testing & Practices: HLD, LLD, JUnit, Mockito, SDD(Spec Driven Development), TDD, DDD, Agile/Scrum

Tools & Others: ExtJS, ReactJS, OAuth2/JWT, Ed25519 Signatures, HMAC SHA256, Python (Foundational), Generative AI Foundations

KEY ACHIEVEMENTS

- **Scaling Opal BPM Client Base:** Successfully scaled Opal BPM to over 30 global clients, significantly contributing to the architecture and delivery of the product
 - **OAuth 2.0 Design Innovation:** Designed reusable OAuth 2.0 Authorization & Resource Servers, significantly reducing client integration time
 - **Quality Assurance Excellence:** Achieved 95%+ timely delivery of enterprise modules with zero production defects in key releases
 - **CI/CD Pipeline Optimization:** Engineered effective CI/CD pipelines using Jenkins and Docker, optimizing the deployment process
 - **Exchange Platform Architecture:** Architected 16 interconnected microservices with 99.9% uptime, 40% latency reduction via JPA Specifications, and <100ms notification delivery for 1000+ daily trades
 - **Beckn Protocol Implementation:** Built RFC 1.2.0-compliant verification adapter with state machine validation, message ID deduplication, and <50ms P95 API latency supporting 1000+ concurrent requests
 - **Production Issue Triage:** Reduced mean time to resolution by 30% through effective production issue management
 - **Database Performance:** Improved data layer performance by 20% through query optimization
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EDUCATION

Master of Computer Applications (MCA) | SBCET | Aug 2004 - Jun 2007 | Jaipur

Bachelor of Computer Applications (BCA) | GEIT | Aug 2000 - Jun 2003 | Dehradun

CERTIFICATIONS & TRAINING

- **Generative AI Foundations Certificate Program:** Certificate program focusing on generative AI concepts
 - **Introductory AWS and Cloud Computing:** Completion certificates by Simplilearn
 - **Foundational Course in Python Programming:** Grade A+ in foundational programming concepts
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STRENGTHS

- **Team Leadership:** Strong team leadership skills focused on team mentorship and fostering a collaborative, high-performance work environment
- **Cross-Functional Collaboration:** Skilled in cross-functional collaboration and driving innovation in project execution to achieve business goals
- **Adaptability:** Highly adaptable to fast-paced work environments with quick learning ability, successfully managing multiple projects and priorities
- **Resilient Systems:** Expertise in building fault-tolerant, production-grade distributed systems with monitoring and observability