



POOJA KUMAR

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EDUCATION

- **MCA** – Banasthali Vidyapith, 2005, 74%
- **BCA** – BITS, 2002 ,87%

CERTIFICATIONS

- Certified Scrum Master (CSM)
 - Certified Scrum Developer (CSD)
 - AWS Cloud Practitioner
 - Project Management Program – IIM Raipur
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SKILLS

Technical Skills:

✅ Java 17 | Microservices | Spring Boot | REST | Hibernate | JUnit | Mockito | TDD/BDD | Tomcat Server | AWS | Database | CI/CD | Kafka | JSF | Drools | RabbitMQ | SonarQube | Redis | GenAI | GitHub | Docker | Kubernetes

Agile:

✅ Scrum | Budgeting | Planning | Stakeholder Engagement | Risk Management | Jira Workflows | Velocity & BurnDown Charts

PROFESSIONAL PROFILE

With over 19+ years of experience in designing and leading end-to-end Java-based enterprise solutions, I bring deep expertise in Spring, RESTful APIs, Hibernate, and scalable architecture patterns. I have a strong track record of delivering high-performance applications, mentoring teams, and aligning technical designs with business goals.

WORK EXPERIENCE

Senior Engineering Lead – Persistent, Noida (*Dec 2022 – Till Date*)

Project: *Vertiv: An American multinational provider of critical infrastructure and services for data centers, communication networks, and commercial and industrial environments.*

Key Responsibilities & Achievements:

- Led a cross-functional Agile team of 8 developers, facilitating Scrum ceremonies.

- Designed and developed a secure login (JWT) and configuration management system using Java 8 functional programming, Spring Boot microservices, and RESTful APIs for Vertiv's infrastructure solutions.
 - Designed and configured high-availability RabbitMQ cluster with mirrored queues to handle real-time notifications.
 - Implemented custom exchange-to-queue routing using topic exchanges and dead-letter queues for guaranteed message delivery.
 - Oversee performance tuning of microservices and inter-service communication.
 - Coordinate microservices versioning and independent deployments.
 - PR reviews, refactoring, and TDD using JUnit & Mockito.
 - Integrated Redis for distributed caching in microservices, improving cache-hit ratio to 92%.
 - Establish REST API guidelines (versioning, documentation with Swagger).
 - Managed risks, sprint goals, and client demos.
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Technical Lead – DXC, Noida (Aug 2018 – Nov 2022)

Project: *London Markets & PB360 Insurance Billing: Leading insurance market providing specialist insurance services to businesses in over 200 countries and territories.*

Key Responsibilities & Achievements:

- Translated business requirements into technical solutions using Java 8, Spring Boot, Hibernate, AWS, and Microservices.
- Developed REST APIs, Swagger docs, and Keycloak-based authentication.
- Built a zero-trust architecture for Lloyd's of London leveraging AWS API Gateway as entry point, S3 for document storage, Keycloak for IAM, and AWS Secrets Manager for credential rotation, all orchestrated via AWS SDK.
- Implemented retries, circuit breakers, bulkheads.
- Oversee Docker implementation and Kubernetes orchestration.
- Deployed ELK Stack (Elasticsearch, Logstash, Kibana) to monitor and audit policy transactions in real-time.
- Ensure proper authentication (OAuth2), authorization, and data protection.
- Migrated legacy applications from Java 6 to 8 and Spring Security 2 to 3.x.
- Identified and improved code smells, technical debt, and performance bottlenecks while maintaining backward compatibility.

Lead Consultant – Headstrong Capital Markets, Noida (July 2015 – July 2018)

Project: *Morgan Stanley Smith Barney: Offers financial planning, investment advisory, and banking services. It serves high-net-worth individuals, families, and institutions to manage and grow their wealth.*

Key Responsibilities & Achievements:

- Architected and implemented core services using Spring 4 and hibernate for Morgan Stanley Wealth management applications.
 - Led the development of RESTful APIs for financial services, ensuring secure and efficient data handling.
 - Achieved 30% faster portfolio rebalancing through optimized JPA query patterns
 - Achieved 99.98% data integrity via Hibernate second-level cache tuning.
 - Designed high-throughput pricing engine processing 50,000+ ticks/sec using CompletableFuture pipelines for non-blocking aggregation of FX/equities feeds (Reuters/Bloomberg)
 - Implemented Lock-free concurrency (AtomicReference, ConcurrentHashMap) to maintain nanosecond-grade latency
 - SEC-compliant audit trails using Spring AOP for transaction monitoring.
 - Reduced ETL processing time from 4hrs to 15min through query optimization.
 - Automated static code analysis across all microservices using SonarScanner with Maven/Gradle plugins.
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Lead Consultant – Q3 Technologies, Gurgaon (Dec 2013 – May 2015)

Project: *Compass Group : A global food and support services company that provides catering, cleaning, and facility management services. It serves clients across sectors like business, healthcare, education, sports, and defense.*

Key Responsibilities & Achievements:

- Developed Spring 4, MongoDB, and Drools-based geospatial search for nearby restaurants.
- Enhanced Spring performance by implementing Caffeine caching, optimizing @Cacheable annotations, and tuning Tomcat thread pools.
- Implemented dynamic cache invalidation (@CacheEvict) for real-time updates (e.g., closing hours, table availability).
- Accelerated restaurant search queries by caching geospatial results (@Cacheable with location-based keys).
- Designed high-performance REST APIs using Spring Boot to power restaurant search (filter by cuisine, location, ratings) and personalized recommendations

- Assign development tasks based on team skills and service boundaries.
 - Ensure proper test coverage (unit, integration, contract tests).
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System Analyst – Accenture, Gurgaon (June 2010 – Nov 2013)

Project: *Accenture Customer Insight: Helps businesses understand customer behavior by analyzing buying patterns, preferences, and engagement. It uses advanced analytics to generate actionable insights for personalized marketing and improved customer experiences.*

Key Responsibilities & Achievements:

- Worked on Spring 4, Hibernate, SOAP Webservices for data analytics solutions.
 - Ensure Hibernate optimizations (lazy loading, batch fetching, second-level caching).
 - Developed parallel processing strategies using Spring Batch (TaskExecutor, chunk-oriented steps) to improve throughput by 60%.
 - Implemented migration of reporting systems from MicroStrategy to IBM Cognos API.
 - Configured Jenkins jobs for automated builds, testing, and deployments.
 - Reduced technical debt by 40% by addressing SonarQube findings (code smells, security vulnerabilities, performance anti-patterns).
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Application Developer – CSC, Noida (July 2007 – June 2010)

Project: *ScandiHealth, Denmark: It specializes in developing electronic health record systems, laboratory information management solutions, and administrative platforms for hospitals and clinics.*

Key Responsibilities & Achievements:

- Developed Spring MVC-based electronic health records system.
- Integrated HL7-based messaging for hospital management systems.
- Designed longitudinal patient record system with Spring Data JPA/Hibernate, optimizing queries for 10+ years of medical history
- Built HIPAA-compliant medical billing system using Java Collections (ConcurrentHashMap, PriorityQueue), JAX-WS SOAP services, and servlet-based patient history module with 99.9% uptime
- Developed clinical decision support features using rule engines (Drools) for medication conflict detection.

Java Consultant – BAX Global, Delhi (July 2005 – July 2007)

Project: *ESPRIT: Esprit is a global fashion brand, offering clothing and accessories across various markets.*

Key Responsibilities & Achievements:

- Designed a multi-carrier shipment tracking system using core Java 5 features: generics (List<Shipment>), autoboxing, and enhanced for loops
 - Implemented XSLT 2.0 transformations with Apache Xalan to convert shipment data between carrier-specific XML schemas (FedEx, UPS, DHL, Cisco, Esprit)
 - Processed high-volume XML via JAXP (SAX/DOM parsers) with optimized memory management.
 - Used IBM RAD for UML modeling for core domain objects like Shipment, Carrier and Rate Card.
 - Implemented Struts, jQuery AJAX, and Hibernate-based components.
 - Managed large data transfers using Java I/O Streams and buffers.
 - Generated deployment diagrams for WAR/EJB module
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