# Anshumansingh Rajput

Senior Software Engineer | Java Full-Stack Engineer | Microservices & Distributed Systems

Bengaluru, Karnataka, India | +918141138816 | rajputanshuman95@outlook.com | GitHub | LinkedIn

## Professional Summary

Senior Software Engineer with 8+ years of experience designing, developing, and operating enterprise-scale Java applications and distributed systems. Strong expertise in Java, Spring Boot, React, Angular, microservices, Kafka, MySQL, PostgreSQL, Redis, AWS, Azure and Kubernetes, with experience in system design, performance optimization, legacy modernization, and production reliability. Delivered platforms processing 150K+ daily transactions, achieving 99.99% availability, and supported modernization initiatives associated with $1.4M in annual operating cost savings. Hands-on experience building GenAI solutions using Amazon Bedrock, RAG, and pgvector.

## Technical Skills

**Languages:** Java, Python, TypeScript, JavaScript

**Backend:** Spring Boot, REST APIs, GraphQL, Kafka, Apache Camel, AWS SQS, Redis, JPA, Hibernate

**Architecture**: Microservices, Distributed Systems, Event-Driven Architecture, Domain-Driven Design (DDD), LLD/HLD, API Gateway, Load Balancing, Circuit Breakers

**Cloud & DevOps**: AWS, Azure, Kubernetes, Docker, Jenkins, Argo CD, GitHub

**Databases & Search:** PostgreSQL, MySQL, Elasticsearch

**Frontend:** React, Angular, Next.js, Redux

**Security:** Spring Security, JWT, OAuth 2.0, Keycloak, AWS Secrets Manager

**GenAI & LLM:** RAG, Amazon Bedrock, Spring AI, Vector Search, Prompt Engineering, GitHub Copilot

**Observability:** Splunk, Prometheus, Grafana, Dynatrace

**Methodologies & Tools:** Agile/Scrum, Jira, Rally, Confluence, Aha

## Work Experience

**Iris Software | Client: Guardian Life**

Senior Software Engineer | Noida, India | June 2025 – Present

- Architected and delivered a Java 21, Spring Boot policy enrollment platform using Kafka, Redis, and PostgreSQL, implementing the **Saga design pattern** for distributed transaction management, supporting **150K+** daily transactions with 99.99% availability and **sub-200ms P99 API latency**.
- Contributed to the migration of a **~2 TB MySQL** database spanning **50+ tables to PostgreSQL**, supporting schema transformation, data validation, query optimization, and application-level compatibility.
- Designed and implemented retry workflows and failure-handling mechanisms with a **React-based** operations dashboard, reducing manual intervention **by 30%** and improving turnaround time by 25%.
- Designed and deployed an LLM-powered **RAG** pipeline using **Amazon Bedrock** and PostgreSQL pgvector, enabling semantic retrieval and natural-language explanations of complex policy specifications.
- **Mentored 5 engineers** through architectural reviews and coding standards, driving GitHub Copilot adoption to improve development productivity and documentation quality; received the **Annual Kudos Award** for leading enrollment services architecture and implementation under tight deadlines.

**Wipro Limited | Client: Optum (UHG)**

Senior Software Engineer | Noida, India | September 2023 – June 2025

- Led the consolidation of **15 legacy systems** into a modern microservices, micro frontend architecture using Angular 17, Next.js 14, Spring Boot (Java 21), GraphQL (Hasura), Kafka, PostgreSQL, and Kubernetes, reducing annual operational **costs by $1.4M.**
- Designed both high-level architecture (**HLD**) and detailed low-level designs (**LLD**) to ensure scalable, maintainable solutions. Implemented observability with Prometheus/Grafana to improve system reliability and reduce **MTTR by 30%.**

- Delivered **HIPAA compliant features**, behavioral provider search, and **CAA-compliant** temporary provider system, improving workflow efficiency for **10,000+ users.** Achieved 90%+ test coverage via SonarQube, Karma, JUnit, and Mockito, reducing post-release defects by 25%.
- Collaborated with senior architects and cross-functional, **multi-country teams** to design scalable solutions aligned with agile best practices and enterprise standards. Partnered with U.S. operations teams to troubleshoot critical production issues, ensuring **99.9% uptime** and seamless user experience.
- Optimized provider-search workflows, reducing API latency by 30% and improving user satisfaction by 15%, while leading production incident investigation, **root-cause analysis (RCA**), and critical hotfixes.

**Leadics | Full Stack Developer**

Bengaluru, India | May 2022 – September 2023

- Designed and developed a vehicle service booking platform using Spring Boot and Angular, implementing OTP authentication, **RBAC, and Google Maps integration** for dynamic booking-slot allocation across 100+ service centers.
- Built an AWS data-processing pipeline using **Glue, S3, Lambda (Python),** and SQL to ingest booking and telemetry data, generating operational metrics for the ARTEMIS analytics dashboard; implemented **Keycloak-based SSO** for secure dashboard access.
- Developed automated customer-feedback workflows that improved service-quality monitoring and increased dealership **CSAT scores by 30%.**

**Century Enka Limited (Aditya Birla Group)**

Software Engineer | Bharuch, India | July 2017 – September 2021

- Developed and maintained enterprise **ERP applications** using Java, Spring Boot, Angular, MySQL, and AWS, automating reports in PDF/DOC format across 5+ workflows, reducing manual effort and improving data accuracy.
- Designed and implemented inventory, employee management, and cross-departmental reporting modules across 4 business units, tracking **5,000+ inventory** items in real time.
- Developed a live IoT-based **energy monitoring dashboard** to visualize real-time energy consumption, equipment status, and operational metrics across manufacturing systems.
- Built real-time production monitoring dashboards using React, to track equipment performance and **operational KPIs**, contributing to a **40% improvement** in production efficiency and a **25% reduction** in equipment downtime.
- Collaborated with cross-functional teams to troubleshoot production issues, optimize manufacturing workflows, and deliver reliable software solutions that improved operational efficiency

## Education

PG-DAC, CDAC Bengaluru — September 2021 – April 2022

B.E. in Electrical Engineering, GEC Valsad — July 2013 – May 2017

## Certification

Microsoft Azure Fundamentals (AZ-900)