

SANJEEV KUMAR

Technical Architect | Java, Spring Boot, Microservices, Kafka | GCP & AWS | eMasters AI/ML (IIT Kanpur)

Delhi-NCR, India · open to Bengaluru · Pune · Chennai · Hyderabad

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PROFESSIONAL SUMMARY

Technical Architect with 12+ years owning end-to-end architecture for scalable, distributed, cloud-native platforms. Deep expertise in Java, Spring Boot and microservices on the back end, paired with component-driven React and Angular front-end architecture. Proven at defining technical vision, authoring HLD/LLD and ADRs, establishing design patterns and engineering standards, and leading teams of up to 18 engineers across the full SDLC. Strong in event-driven and API-first design (Kafka, Pub/Sub, API Gateway), cloud-native delivery on GCP with AWS as a secondary platform, containerisation (Docker, Kubernetes/GKE), CI/CD and observability. Hands-on agentic-AI builder applying LLMs, RAG and AI coding assistants to accelerate design, development and delivery.

CORE ARCHITECTURE COMPETENCIES

Architecture: End-to-end / HLD & LLD, Microservices, Event-Driven, API-First, DDD, Clean & Hexagonal, CQRS, Outbox / Saga, Strangler-Fig, Circuit Breaker, Bulkhead

Back-End: Java 8–21, Spring Boot, Spring Cloud, Hibernate / JPA, REST, API Gateway, service orchestration, gRPC

Front-End: React 18, Redux, TypeScript, component-driven UI, Angular 15–17, micro-frontends, BFF, Jest / RTL / Cypress

Messaging & Data: Apache Kafka, GCP Pub/Sub, RabbitMQ; PostgreSQL, MySQL, MongoDB, Redis, BigQuery

Cloud & DevOps: GCP (primary), AWS, Azure-aware; Docker, Kubernetes (GKE); Jenkins, GitHub Actions, Bitbucket, Harness; Terraform; Vault

Observability: Prometheus, Grafana, ELK, Cloud Monitoring, CloudWatch, distributed tracing, structured logging, alerting

Security: OAuth 2.0, OIDC, JWT, TLS / mTLS, RBAC / ABAC, Zero Trust, OWASP Top 10, envelope encryption, KMS

Practices: System design, HA (RTO/RPO, multi-region), TDD, architecture reviews, FinOps, Agile / Scrum, SAFe-aware

AI & Agentic: Agentic AI builder; RAG, prompt engineering, LLM-assisted SDLC; Claude, ChatGPT, Gemini; GitHub Copilot (Level-3)

PROFESSIONAL EXPERIENCE

Wipro Limited — Technical Architect (Full-Stack Java + React)

Sept 2024 – Present

Greater Noida, India | Lead architect across banking, healthcare and retail modernisation (Java/Spring + React, GCP primary / AWS)

- Defined and led end-to-end architecture for scalable, distributed, cloud-native platforms; authored HLD/LLD, ADRs and reference patterns adopted across engineering squads.
- Established organisation-wide architectural standards — reusable validation/idempotency libraries, API contracts, and a shared React UI module library reducing front-end duplication.
- Drove adoption of microservices, event-driven architecture and API-first design (Kafka, Pub/Sub, versioned API Gateway) across transaction-critical and customer-facing systems.
- Architected responsive, high-performance React interfaces with reusable component libraries; mentored engineers through design and code reviews.
- Led cloud architecture and deployment on GCP (primary) and AWS; containerised workloads with Docker/Kubernetes and hardened CI/CD and observability.
- Embedded security and reliability: RBAC, mTLS, envelope encryption, WORM audit logs; operator dashboards under data-classification, masking and four-eyes / SoD controls.

Signature engagements via Wipro

Citibank — Enterprise Financial Systems

- Architected strangler-fig modernisation of a high-volume transaction platform behind an API façade, with Kafka event backbone and application-level idempotency plus outbox for exactly-once posting.
- Delivered zero-downtime, reversible cut-overs; ~35% reduction in production incidents versus prior baselines.

UnitedHealthcare — Firefly Platform

- Refactored hot-path backend workflows; improved API response time 30–40% (p95) on critical member/provider journeys.
- Strengthened authN/authZ with OAuth 2.0 and JWT; drove CI/CD automation on AWS for smaller, safer releases.

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Metro Cash & Carry — E-commerce (Perishable Goods)

- Architected an event-driven order pipeline (Java/Spring + React) for time-sensitive inventory, decoupling supplier systems and lifting throughput.
- Built a reusable React UI library and performance-monitoring dashboards.

GCP Platform Engineering — Cross-Engagement

- Architected enterprise GCP networking (VPC Peering/Service Controls, Interconnect, Cloud Routers, DNS, NAT, IAM) and a BigQuery analytics repository — ~25% faster data processing.
- CI/CD via Terraform Cloud, Jenkins, Harness and Vault.

KR Elixir Inc. — Senior Full-Stack Lead Engineer

Mar 2024 – Sept 2024

Bengaluru, India

- Led DMP (Equifax) delivery with a 6-person team; improved data retrieval 30% and reduced processing time 25%.
- Delivered a Data Lake 60 days ahead of a 90-day plan using Angular 17, micro-frontends, BFF, BigQuery and Java 17 / Spring Boot.

CSG Systems International — Lead Full-Stack Software Engineer

Feb 2023 – Aug 2023

Bengaluru, India

- Led an 18-engineer team delivering Field Service Management on Java/Spring Boot microservices across GCP (Cloud Functions, Pub/Sub) and AWS for event-driven workflows.
- Established GCP IAM and networking best practices for secure, multi-tenant deployment.

Xceedance India Pvt. Ltd. — Senior Programmer Analyst

Oct 2021 – Aug 2022

Gurugram, India · Insurance services

- Supervised an 8-engineer team building an HRMS ERP portal on Java microservices, Spring Boot, Angular/React, AWS and Kafka.
- Rolled out microservices patterns and strengthened security controls.

Eli Research India Pvt. Ltd. — Senior Software Engineer

Aug 2020 – Oct 2021

India

- Built scalable commerce and healthcare microservices on Java 8, Spring Boot, JPA, React, Angular, MySQL and RESTful APIs.

Earlier Experience — Software Developer / Full-Stack Developer

2014 – 2020

- Java/PHP ERP and e-commerce platforms with React, Spring, CodeIgniter and WordPress — foundation in full-stack delivery and small-team engineering ownership.

CERTIFICATIONS

- Google Cloud Certified — Professional Cloud Network Engineer
- Google Cloud Certified — Cloud Digital Leader
- AWS Certified — Cloud Practitioner (CLF-C01), 2023
- AWS Certified — Solutions Architect Professional (in progress, SAP-C02)
- GitHub Copilot — Certified (Level-3)

EDUCATION

- eMasters in Artificial Intelligence & Machine Learning — Indian Institute of Technology (IIT) Kanpur, 2024
- B.Tech, Computer Science & Engineering — Lovely Professional University, Jalandhar, 2014