

Gaurav Sharma

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Solutions Architect | 18 Years Experience | Agentic AI Systems · Enterprise Scale · Strategic Presales
A high-leverage engineering leader specialized in architecting distributed platforms that bridge the gap between legacy enterprise scale and modern **Generative AI ecosystems**. Proven track record in **Strategic Presales & Advisory**, turning complex business requirements into resilient, cost-optimized architectures that drive multi-million dollar outcomes.

STRATEGIC CAPABILITY & TECHNICAL STACK

AI & Emerging	Agentic AI Orchestration, LLM RAG Pipelines, Vector Databases (Pinecone/Milvus), LLM Observability & Testing, Prompt Engineering
Distributed	Microservices, Spring Boot, Spark, Databricks, Azure IoT Hub, AWS, Delta Lake, Kafka, Event-Driven Architecture
Consulting	Strategic Presales, RFP Advisory, Solution Capability Mapping, Cost Optimization (P&L), AI Governance & Compliance

PROFESSIONAL EXPERIENCE

Solutions Architect July 2019 – Present

GlobalLogic (Noida, India)

- Led architecture for a multi-tenant IoT BMS with **100K+ devices** across global sites using Azure IoT Hub & Edge SDKs.
- Designed an EAM Reliability Engine in Hitachi Lumada, processing 100K+ records with automated asset maintenance and predictive workflows.
- Spearheading Agentic AI ecosystems and RAG pipelines for EAM to automate summarization and intervention triage.
- Developed high-throughput classification systems and multi-tenant configuration migration platforms for global enterprise-scale tenants.
- Lead technical advisor for RFP discovery and customer workshops in Japan, mapping technical solutions to multi-million dollar business opportunities.
- Directed engineering efforts for **24+ developers**, owning the full SDLC and architecture review gates to maintain project KPIs above 90%.

Technical Manager / Architect Aug 2017 – July 2019

Tavant Technologies (Noida, India)

- Directed the architecture of PRISM, a high-throughput Industrial IoT platform, leading two cross-functional teams from design to deployment.
- Optimized CI/CD strategy to transition from monthly to **weekly releases** while managing a zero-downtime Angular migration.
- Implemented SQMS standards leading to a successful **CMMI Level 5** assessment.
- Created the "Estimation Abacus" framework for fixed-bid projects, significantly improving cross-team delivery predictability.

SDE 2

Dec 2015 – Aug 2017

American Express (Gurugram, India / UK)

- Spearheaded payment milestone deliveries resulting in **\$11 Million USD** in operational savings over a one-year period.
- Led the cloud adoption strategy for AmEx Datacenters, reducing security vulnerabilities by **50%** through automated compliance gates.
- Managed production rollouts for a shared platform across three continents with 3000+ active enterprise users.
- Architected API contracts and file formats for global virtual payment platforms, handling high-throughput real-time and batch reconciliation.

Technical Lead

Dec 2013 – Dec 2015

Sopra-Steria (Noida, India)

- Headed the technical transition of a 20-application enterprise portfolio, managing knowledge transfer and team ramp-up for a high-stake client engagement.
- Delivered multiple enterprise-grade use cases on Java/JSP, focusing on high-availability integration with external SOAP-based systems.
- Solved critical JBOSS migration and memory leak issues; utilized JConsole and GC Viewer to optimize JVM performance.

Technology Analyst | Software Engineer

Dec 2007 – Dec 2013

Infosys Technologies Ltd. (Chandigarh, India / Salt Lake City, USA)

- Led on-site client discovery and offshore engineering collaboration for American Express (Utah), architecting global consumer data parsing modules.
- Core engine contributor for American Express Gift Cards (BOL); implemented mission-critical features for its inaugural India launch.
- Designed high-volume JMS and MDB systems for external interface modules, ensuring reliable asynchronous XML-based data exchange.
- Authored HLD/LLD for vPayment applications, implementing complex versioning rules to manage concurrent enterprise client access.

CERTIFICATIONS

- Certified SAFe Agilist (2021)
- Certified Scrum Master (2016)
- Technical Architect Academy (2022)
- ITIL Foundation (2016)

EDUCATION

2007 **Bachelor of Technology (EC)** — UP Technical University

TECHNICAL ECOSYSTEM

AI & Emerging:

Agentic AI Orchestration, LLM RAG Pipelines, LangChain, Vector Databases (Pinecone/Milvus), LLM Observability.

Data & Analytics:

Spark, Databricks, Delta Lake, SQL, NoSQL (MongoDB/Postgres), Data Engineering Pipelines.

Architecture & Cloud:

Distributed Systems, Microservices, Event-Driven Design, AWS, Azure IoT Hub, Kafka, Docker, Kubernetes.

Leadership & Strategy:

Strategic Presales, RFP Engineering, TCO Analysis, AI Governance, SAFe Agile, CMMI Level 5.