

Gaurav Sharma

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Summary

Engineering Leader with **13+ years** of experience building **scalable, low-latency distributed systems** and **cloud-native fintech platforms**. Expertise in **Java, Spring Boot, Kafka, Redis, and AWS**, with a proven track record of delivering **fault-tolerant microservices, real-time transaction systems**, and leading **cross-functional teams** to drive impactful business outcomes.

Skills

Programming & Frameworks: Java 21, Spring Boot, Spring Cloud, Spring Batch, Spring Security, JPA, Hibernate, MapStruct, REST, Swagger, gRPC, WebSockets, OAuth2, JWT, Maven, Lombok

Messaging, Caching & Databases: Apache Kafka, RabbitMQ, Redis, MySQL, PostgreSQL, MongoDB

Architecture & Problem-Solving: Microservices, System Design, Design Patterns, SOLID Principles, Event-Driven Architecture, API Design, Operating System, Computer Networks, Data Structures & Algorithms

Testing & Code Quality: JUnit5, Mockito, SonarQube, Postman, TDD & BDD, Integration & Load Testing

Cloud, DevOps & Observability: AWS, Docker, Kubernetes, Jenkins (CI/CD), ArgoCD, Nginx, Micrometer, Prometheus, Grafana, Sumologic, Coralogix, PagerDuty

Version Control & Collaboration: Git, Bitbucket, Jira, Confluence, Slack

AI & Productivity Tools: Generative AI & Prompt Engineering (GitHub Copilot, ChatGPT, Claude 3.7)

:: Experienced in building **scalable, low-latency, fault-tolerant distributed systems** and **cloud-native architectures** handling millions of transactions.

Work Experience

Airtel Digital, Engineering Leader Nov 2025 – Present | Gurugram
Led the end-to-end build of Airtel Money's NBFC Loan Origination System (LOS), managing a 20-member engineering and QA team. Delivered a production-ready lending platform from concept to launch in just 5 months.

Upstox, Engineering Manager Mar 2023 – Jun 2025 | Mumbai

- Led a team of **5 engineers** to design and build an in-house **Risk Management System** with a scalable rule engine, enabling **real-time validation of 6M+ trades per day**.
- Developed a **Risk Admin UI** that allowed risk & product teams to **add/update rules in real time without restarts**, ensuring uninterrupted trading at **live market volumes**.
- Architected and launched a **priority-based Square-Off System**, improving automation efficiency and delivering a **10% increase in annual revenue**.
- Proposed and implemented a **market price protection rule** for equity stock derivatives, replacing outright restrictions and driving a **20% revenue uplift**.
- Drove **system architecture, HLD/LLD discussions, and implementation strategies**, improving response times by **70% (to under 10ms)** while ensuring high fault tolerance.
- Optimized **Kubernetes deployments** by proactively scaling critical services during peak market hours, ensuring **high availability** while reducing infrastructure costs.

Firststrand Services, Technical Team Lead Mar 2018 – Mar 2023 | Mumbai

- Led delivery of the **Multi-Product Scoring Project** for **First National Bank (South Africa)**, improving credit decisioning speed and accuracy across multiple products.

- Directed the **RoFA (Rest of Africa) initiative**, rolling out scalable credit systems across **Namibia, Botswana, and other regions**, ensuring compliance with local regulations.
- Owned projects end-to-end – from **requirements gathering and design to integration, infra coordination, QA, and production support** – reducing go-live cycles by **40%**.
- Conducted **high-level and low-level design sessions**, mentored developers, and actively participated in **hiring**, strengthening overall team capability.

Prometheus Group, Senior Web Developer Feb 2017 – Mar 2018 | Mumbai

- Developed and enhanced **microservices for Maxavera**, an enterprise integration product connecting multiple ERP systems.
- Integrated **Jasper with Java** to generate complex analytics reports using custom data sources, improving reporting accuracy and usability.
- Strengthened product reliability by optimizing service performance and reducing reporting latency for clients in the **nuclear and oil sectors**.

Morgan Stanley, Senior Associate Jun 2016 – Feb 2017 | Mumbai

- Designed and developed a **microservice for fee calculation (“Make Whole Fee”)**, integrated into the **Prime Brokerage ETL Pipeline**.
- Automated processing of **daily trading feeds & timely Regulatory Bureau Reporting**.
- Enhanced system reliability and compliance by streamlining data flows and reducing manual intervention in reporting processes.

JP Morgan Chase, Web Developer May 2015 – Jun 2016 | Mumbai

- Built and optimized **virtual card payment processing services**, handling end-to-end transaction flows from request intake to settlement.
- Developed **Spring Batch–based pre-processing, processing, and post-processing services**, enabling seamless card generation, payment execution, and record reconciliation.
- Improved system reliability and data accuracy by ensuring **robust database integration and service orchestration** across the payment lifecycle.

Tata Consultancy Services, Software Engineer Mar 2013 – Apr 2015 | Mumbai

- Contributed to **iNeo+**, ICICI Prudential’s online insurance platform, enhancing customer experience with new product features.
- Gained **full-stack exposure** by working on frontend (**J2EE, jQuery**) as well as backend (**Spring Webflow, JPA**) modules.
- Collaborated with multiple teams for smooth production deployments and earned **client appreciation** for timely delivery of critical releases.

Education

Government Engineering College Ajmer, 2008 – 2012
 B.Tech (Honors) in Information Technology (CGPA : 7.3)

Awards & Certificates

- **Oracle Certified Java Professional** 2014
- **Oracle Certified Web Component Developer Expert** 2014
- **ILP Gems & GR Honor Rolls, TCS** 2014
- **Application Security Champion, JP Morgan** 2015
- **Super Trooper Award for the Quarter, JP Morgan** 2016