

Samyak Shreyash

Senior Backend Engineer | Distributed Systems

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PROFESSIONAL SUMMARY

Backend engineer with 7+ years building high-throughput distributed systems in fintech and healthcare. Strong focus on reliability engineering, SLA ownership and cross-team architecture design.

PROFESSIONAL EXPERIENCE

Senior Software Engineer – Goldman Sachs (via Mphasis) | Oct 2023 – Present

- Architected distributed transaction engine processing 1M+ daily transactions with peak throughput of ~2,000 TPS under market load.
- Designed Kafka-based event-driven architecture (20+ partitions, consumer groups for horizontal scaling) handling 50M+ messages/month.
- Owned 99.95% service SLA; defined SLOs, error budgets, and production monitoring strategy.
- Primary on-call engineer for critical payment flows; led incident response and postmortems reducing recurring incidents by 35%.
- Authored cross-team architecture design documents adopted by 3+ dependent services.
- Mentored 4 engineers on distributed systems patterns, code reviews, and production readiness best practices.

Software Engineer II – Baxter International | Aug 2021 – Oct 2023

- Led monolith-to-microservices decomposition using domain-driven design; improved deployment frequency by 30%.
- Designed HIPAA-compliant audit pipeline using AWS Kinesis processing 10M+ healthcare events/month with 99.9% reliability.
- Defined service-level objectives and observability dashboards for clinician-facing systems.
- Collaborated across product, compliance, and platform teams to align architecture with regulatory requirements.

Application Engineer – Wells Fargo | July 2018 – Aug 2021

- Automated enterprise data validation workflows, reducing turnaround from 3 months to 15 minutes; saved \$80K per quarter.
- Built compliance tracking system serving 50,000+ employees with 100% audit readiness.
- Improved operational efficiency by 60% through Python automation and tooling standardization.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript **Distributed Systems:** Apache Kafka (partitioning, consumer groups), Microservices, Event-Driven Design

Cloud & Infra: AWS (Kinesis, Lambda), Docker, Kubernetes, Terraform, CI/CD **Databases:** MySQL, OracleDB, Sybase **Core Strengths:** SLA/SLO Ownership, Reliability Engineering, High-Throughput Systems, Architecture Design

EDUCATION

B.E., Computer Science – Sathyabama Institute of Science and Technology | 2018