

Sajal Suhane

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SUMMARY

Senior Software Engineer with 4+ years experience building large-scale distributed systems, high-performance data platforms, and cloud-native services. Proven success leading engineering teams, driving architectural modernization, and delivering multimillion-dollar cost savings. Expertise in Kubernetes, AWS, Snowflake, Spark, and low-latency system design.

EXPERIENCE

Goldman Sachs

Software Developer – Associate

Dallas, TX

Dec 2024 – Present

- Led the transformation of a legacy Sybase IQ-based operational store into a cloud-native architecture, **achieving \$1M+ annual cost savings** and eliminating on-prem storage dependencies.
- Served as **Tech Lead for a 10-member team**, directing system design, roadmap planning, and cross-organizational stakeholder alignment for the platform overhaul.
- Architected and deployed a scalable data platform using **Kubernetes, Snowflake, Contour HTTPProxy**, and event-driven ingestion pipelines, significantly improving resiliency and throughput.
- Designed a new **Spring Boot microservice** (migrated from Dropwizard) while retaining all API contracts; seamlessly switched clients to Kubernetes-backed endpoints, delivering **135% faster ingestions and 650% faster query execution**.

Software Developer – Analyst

Jun 2023 – Dec 2024

- Developed a reusable migration framework enabling teams to move on-prem Spark workflows to **AWS Glue with minimal changes**, resulting in **\$230K annual savings per workflow** and a **90% reduction in processing time** (20 mins → 2 mins).
- Mentored an intern and co-built an **AI-powered knowledge chatbot** indexing nested Confluence spaces, reducing support ticket resolution time from **5 hours to 1 hour**.
- Built an **S3-backed intermediate computation system** for Market Risk, reducing filesystem load and improving workflow efficiency by **25%**.

Software Developer Intern

Jun 2022 – Aug 2022

- Engineered core components of a distributed operational store processing **3B+ events per second** across Risk & Finance teams.
- Designed Kibana dashboards using live API metrics, enhancing observability and reducing ingestion time by **30%**.
- Built a queuing-based ingestion POC that eliminated timeouts and demonstrated a **31.7% efficiency improvement**.

University of Texas at Dallas

Dallas, TX

Software Developer

Nov 2021 – May 2022, Aug 2022 – May 2023

- Developed an automated algorithm for cleaning and analyzing high-frequency biomedical sensor data, reducing manual effort by **0.6 FTE**.
- Designed cross-platform applications for real-time sensor analytics, improving operational efficiency by **70%**.
- Optimized databases to manage millions of readings per minute from wearable devices.

SKILLS

Languages: Java, Python, SQL, Scala, C++

Distributed Systems: Event-Driven Systems, High-Throughput Ingestion, Queues

Cloud & Infra: Kubernetes, AWS (Glue, S3, DynamoDB), Docker, CI/CD

Big Data: Snowflake, Spark, Hadoop (HDFS, Hive, MapReduce)

Observability: Kibana, Grafana, Prometheus

Databases: Snowflake, PostgreSQL, MySQL, MongoDB, Sybase IQ

EDUCATION

The University of Texas at Dallas

Texas, USA

Master of Science in Computer Science

Savitribai Phule Pune University

Maharashtra, India

Bachelor of Engineering in Computer Science