

Sakshi Mittal

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Senior software engineer with 6 years of experience building production systems, leading teams on complex projects, and translating between technical complexity and business reality.

Work Experience

Goldman Sachs International

London, UK

Vice President, Asset and Wealth Management Engineering

Jan 2026 - Present

- Designed and implemented an **AWS-hosted serverless contingency platform**, supporting file ingestion, trade processing, and trade lifecycle management. Serves as a business continuity process during primary platform outages. **Led a team of 4 engineers** from design through production rollout.
- Established **observability and tracing** for our microservices platform (Spring Actuator health checks, **Prometheus** metrics, **Grafana** dashboards, Structured logging), reducing incident detection from hours to minutes.
- Built a **hybrid cloud/on-prem data pipeline** using **EventBridge, Lambda, S3, and DynamoDB**. Designed a queue-and-S3 bridge to decouple environments, enabling secure, connectivity-free data replication.

Associate, Asset and Wealth Management Engineering

Jan 2023 - Dec 2025

- Architected a **hierarchical organisational data model and entitlements framework** to enable client self-service administration, implementing **automatic permission inheritance**. Reduced manual user administration overhead and supported scalable user growth.
- Built a **user impersonation feature** with session management, permissioning and audit logging. Enabled real-time client issue replication, **reduced resolution time from hours to minutes**, and integrated secure token exchange with the authentication team.
- Migrated client reporting from stored procedures to **GraphQL** within a **Spring Boot microservices** platform and built features to surface key trading account details, fund information and balances.
- Stabilised the **UAT environment** for a banking partner integration by implementing **synthetic monitoring**, Grafana dashboards, automated batch jobs with mock data, and daily health reports. Eliminated environment-related blockers across the full UAT cycle.
- Led AWM Women in Engineering initiatives, driving recruitment, networking, professional development, and community-building opportunities for women engineers.

Analyst, Asset and Wealth Management Engineering

July 2020 - Dec 2022

- Delivered white-label theming for an institutional trading platform, implementing per-client branding, custom domains, and authentication configuration across the stack. Enabled scalable, configurable visual branding for new client onboarding.
- Maintained and extended **legacy trading systems**, fixing production-critical defects and developing migration components to support client transitions to modernised platforms.

Technical Skills

Languages: Java, Python, JavaScript, AngularJS

Frameworks & Databases: Spring Boot, React, SQL, MongoDB, DynamoDB, GraphQL

Messaging & Streaming: Kafka, IBM MQ

Infrastructure: Terraform, AWS (S3, Lambda, EC2, IAM, CloudFormation)

Monitoring & Observability: Prometheus, Grafana, CloudWatch, ThousandEyes, Splunk

Education

University of Warwick

BSc Computer Science

Sep. 2017 – July 2020

First Class Honours

Projects & Certifications

CFD Trading Algorithm – Personal Project

- Algorithmic trading strategy using Heikin-Ashi, EMA, MACD, and Stochastic RSI indicators to trade CFDs on indices. Backtested and optimised with a peer across multiple market conditions.
- **Tech Stack:** Python, QuantConnect, Pandas, TA-Lib

AWS Certified Developer Associate – Certification, 2023