ARPIT JAIN

Director, Data Engineering, S&P Global Ratings

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EXECUTIVE SUMMARY

- Director of Data Engineering with **21+ years of experience** delivering enterprise-scale platforms in **financial services and data-driven environments**.
- Proven leader in **modernizing legacy systems**, building **secure**, **compliant**, **cloud-native platforms**, and enabling analytics, AI/ML, and regulatory reporting at scale.
- Strong background in **engineering excellence for Tier-0/Tier-1 systems**, including resilience, availability, security, data governance, quality, lineage, and risk management.
- Experienced in **leading and scaling global engineering teams**, driving predictable delivery, cost efficiency, and continuous improvement through automation, metrics, and modern engineering practices.
- Trusted partner to **product**, **business**, **and CTO leadership**, aligning engineering strategy to customer needs and business outcomes.

SKILLS

- **Languages**: Python, Java
- **Frameworks**: Spring, Angular,
- **Big Data Tech**: Spark, Kafka,
- **Architecture**: SOA, Microservices, ELT
- **Engineering Practices:** CI/CD, Agile / SAFe, Observability, Secure SDLC, Automation-first design
- **SQL**: Oracle, Postgres
- **NoSQL**; MongoDB
- **Data lake**: Databricks
- **Deployment**: Containers
- **APM**: Splunk
- **Cloud**: AWS

PROFESSIONAL EXPERIENCE

S&P Global Ratings India

Director, Data Engineering | Oct 2018 – Present

- Led and scaled **product global engineering teams** responsible for a core data ingestion and extraction platform, supporting **multiple business practices** and **mission-critical products**.
- Accountable for **engineering excellence**, **delivery predictability**, and **platform reliability** for Tier-0/Tier-1 systems in a regulated financial environment.
- Drove the evolution of a data ingestion platform from a single-practice solution to an **enterprise-scale platform supporting 4 business practices and 600+ sectors**, eliminating manual imports through extensive automation.
- Established **metrics-driven delivery and operational practices**, improving platform availability, observability, and issue resolution through Splunk-based monitoring (APM, RUM, logs).
- Architected a **metadata-driven, automation-first platform**, delivering efficiency gains equivalent to **15 FTEs** while improving scalability and total cost of ownership.

- Championed **GenAI-powered automation** to accelerate data availability, reducing analyst cycle time from **45 days to 2 hours** and improving overall engineering productivity.
- Owned **security, auditability, and risk posture** for the platform, including RBAC, workflow controls, and compliance with enterprise risk appetite.
- Partnered closely with **product**, **business**, and **technology leadership** to prioritize backlogs, remove delivery roadblocks, and align engineering execution with customer and business outcomes.

ADP India
Application Architect | May 2008 – Oct 2018

- Worked as a **Technical Architect** in Human Capital Management (**Vantage product**) and Garnishment Services business domains.
- Supported **large-scale engineering delivery**, balancing architectural modernization with business continuity and operational risk.
- Led **algorithm design and implementation** to improve the architecture of legacy systems.
- Started **microservices development and containerization**, establishing modern architectural patterns.
- Provided technical expertise and helped build a **developer community of ~200 engineers**.
- Worked with the **Chief Architect** to evangelize technical standards and best practices across business units (coding standards, architecture standards, and adoption practices).
- Hands-on involvement in **development, design, and architecture reviews**.

Tata Research Development and Design Centre (TRDDC), TCS
Assistant System Engineer | Jul 2004 – May 2008

- Started career with Tata Research Development & Design Center (TRDDC).
- Worked on building **highly scalable, platform- and language-independent static program analysis products**.
- Developed **lexical analyzers** using Java for multiple programming languages, including **COBOL, C, and C++**, as part of static program analysis solutions.

PROFESSIONAL AWARDS

- S&P Global Ratings, H1'25 Ratings Impact Award (Innovation) – 2025
- S&P Global Ratings, Peers' Choice Award – Dec 2023
- S&P Global Ratings, Strongest Link – Leadership Award – Q1 2021
- S&P Global Ratings, Strongest Link – Team Award – Q1 2020
- ADP India, DNA Award (ADP Design and Architecture) – 2014
- ADP India, Associate of the Year – 2011

PROFESSIONAL CERTIFICATIONS

- Professional Certificate Programme in Generative AI and Machine Learning – IIT Madras (Oct 2025 – Apr 2026, In Progress)
- Chief Technology Officer, ISB – 2024
- Databricks Certified Data Engineer Associate – 2022
- Certified SAFe Agilist – 2022
- AWS Certified Solutions Architect – 2022
- Microsoft Certified – MTA: Introduction to Programming Using Python – 2021
- Certified Kubernetes Application Developer (CKAD) – 2020

- Oracle Certified Master Java Enterprise Architect (OCMJEA) – 2010
- Sun Certified Web Component Developer (SCWCD) – 2006
- Sun Certified Java Programmer (SCJP) – 2004

EDUCATION

- **MCA** – 82%, June 2004
- **B.Sc.** (Mathematics) – 73%, May 2000