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 data platforms in financial services and credit ratings environments.
- Proven leader in modernizing legacy systems and building secure, compliant, cloud-native platforms enabling analytics, AI/ML, and regulatory reporting.
- Expertise in data platform strategy and architecture, including AWS, Spark, Databricks, Kafka, Angular, Microservices, NoSQL, Lakehouse, and microservices-based designs.
- Strong background in Tier-0/Tier-1 system resilience, data governance, quality, lineage, and regulatory & risk data management.
- 7+ years leading global teams, partnering with business, product, and CTO leadership to deliver scalable, high-impact initiatives.

LANGUAGES / TECHNOLOGIES / PLATFORMS

- AWS
- Containers (Kubernetes)
- Python, Java/J2EE
- NodeJS
- Angular JS
- Micro-Services
- Databricks
- Spark
- Kafka
- RDBMS (Oracle, Postgres) & NoSQL (MongoDB)

PROFESSIONAL EXPERIENCE

S&P Global Ratings India
Director, Data Engineering | Oct 2018 – Present

- Designed and built a **financial data collection and processing platform** for S&P Global Ratings, serving multiple practices (SF, USPF, C&G) and supporting **600+ sectors and asset classes**.
- Enabled ingestion and processing of **thousands of structured, semi-structured, and unstructured financial documents**, including audited financials, projections, debt instruments, and legal agreements.
- Implemented a **metadata-driven architecture** covering data sources, collection rules, templates, taxonomy, and entity modeling.
- Built **crawlers, schedulers, and output dissemination configurations**.
- Delivered **criteria-driven data acquisition and ingestion**, integrating sources such as websites, mailboxes, and feeds across diverse document formats.
- Built **plug-and-play auto-extraction capabilities**.
- Established **end-to-end workflow orchestration** with human-in-the-loop review, role-based access control (RBAC), and enterprise-grade security.
- Enabled **data quality analytics, visualization, and reporting**, ensuring accuracy, auditability, and operational transparency.
- Implemented scalable **data dissemination pipelines** feeding downstream ratings products and analytics platforms.
- Led architecture and implementation using **Angular, Spring Boot, Python, MongoDB, PostgreSQL, Kafka, Databricks Lakehouse, and AWS**, ensuring cloud-native scalability and resilience.
- Partnered with teams across **US (New York) and India (Mumbai and Hyderabad)** offices.
- Hired, mentored, and led teams across regions for S&P Ratings division initiatives.

ADP India
Application Architect | May 2008 – Oct 2018

- Worked as a **Technical Architect** in Human Capital Management (**Vantage product**) and Garnishment Services business domains.
- 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

- 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