ARPIT JAIN

Director, Data Engineering, S&P Global Ratings

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EXECUTIVE SUMMARY

- Director of Data Engineering with **21+ years of experience** building and scaling **enterprise-grade, cloud-native data and AI platforms** in financial services and credit ratings environments.
- A **hands-on technical leader** who combines **deep architecture ownership, strong product sense, and AI fluency**, while mentoring engineers and influencing outcomes across teams and functions.
- Proven at translating complex business problems into **high-impact product and engineering solutions**, balancing **technical excellence, user experience, and measurable business value**.
- Experienced in leading platforms that embed **AI-driven automation**, modern development practices, and observability to accelerate delivery, improve quality, and enable continuous improvement.

SKILLS

- **Languages**: Python, Java
- **Frameworks**: Spring, Angular,
- **Big Data Tech**: Spark, Kafka,
- **Architecture**: SOA, Microservices, ELT
- **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

- **Owned end-to-end architecture and product evolution** of a data ingestion and extraction platform, scaling it from a single-practice PDF solution into an **enterprise platform supporting 4 business practices and 600+ sectors and asset classes**.
- Operated as a **Director who remains deeply hands-on**, leading design and implementation of **cloud-native, microservices-based systems** for structured, semi-structured, and unstructured financial data (audited financials, forecasts, debt instruments, legal agreements).
- Brought a **product mindset to engineering**, defining MVPs, iterating rapidly, simplifying complex analyst workflows, and aligning platform capabilities with real user needs—eliminating manual imports through **automation of thousands of rules, templates, and standardized taxonomy**.
- Architected a **metadata-driven, automation-first platform** spanning data sources, collection rules, templates, taxonomy, and financial entities management, delivering efficiency gains equivalent to **15 FTEs** through reduced manual intervention.

- Championed **GenAI-powered auto-extraction capabilities**, embedding AI directly into production workflows and reducing analyst **time-to-data from 45 days to 2 hours**, while improving accuracy and consistency.
- Took **direct ownership of critical platform modules and APIs**, ensuring performance, scalability, reliability, and maintainability, and enabling **near real-time data dissemination** to downstream analytics and ratings products.
- Designed and governed **end-to-end workflows** with human-in-the-loop review, **RBAC**, and enterprise-grade security, ensuring auditability, regulatory compliance, and operational resilience.
- Established **data quality, analytics, and observability practices**, leveraging **Splunk** for APM, RUM, and log analytics to drive feedback loops, faster issue resolution, and continuous platform improvement.
- Led and mentored engineers through **architecture reviews, code reviews, pairing, and design coaching**, influencing technical direction and engineering quality across globally distributed teams.

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

- Professional certificate program in GenAI and ML from IIT Madras (Oct 2025-Apr 2026)
- 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