

Snr. Spec. Data Engineering Expert

Job ID

REQ-10076655

Apr 30, 2026

LOC_IN

About the Role

Major Accountabilities:

- Design, develop, and maintain scalable data engineering solutions, pipelines, and workflows using Databricks, PySpark, Lakehouse, Unity Catalog, SQL, and AWS services such as S3 and Lambda.
- Apply strong knowledge of data warehousing, ER modeling, fact and dimension data models, ETL and ELT patterns, pipeline orchestration, and data quality controls to build robust and reliable solutions.
- Design and implement data observability and monitoring capabilities across pipelines and workflows, including freshness, completeness, schema drift, volume anomalies, pipeline health, alerting, and controls to detect, diagnose, and reduce data incidents across batch and near real-time pipelines.
- Drive engineering excellence through code management, peer reviews, unit testing, integration testing, documentation, standardization, and reusable design and development practices to enable maintainable and cost-effective platform delivery.
- Optimize solution performance through tuning of pipelines, Spark jobs, SQL workloads, and platform components.
- Implement and enforce data quality checks, validation rules, and monitoring controls within ETL pipelines to improve trust and reliability. Collaborate with DevOps teams to meet CI CD requirements and ensure reliable, automated, and smooth deployment of data engineering solutions.
- Build shared engineering assets such as APIs, SDKs, utilities, libraries, and reusable platform components that can be adopted across teams. Leverage AI, ML, and Agentic AI capabilities to improve engineering productivity, accelerate code development, automate repetitive tasks, support test case generation and pipeline validation, and enhance SDLC practices.
- Apply Agentic AI and intelligent automation patterns to build smart workflows, platform automations, end-user productivity solutions, and enhanced observability use cases such as anomaly detection, incident summarization, intelligent alert correlation, and guided issue resolution.
- Establish engineering standards for the responsible adoption of AI-generated code, including review controls, testing guardrails, explainability, traceability, and governance.
- Evaluate and adopt relevant platform and AI capabilities such as MLflow, Databricks AI Functions, Snowflake Cortex AI, and Dataiku to build scalable, future-ready platform solutions. Work within Agile delivery teams, actively participating in Scrum ceremonies and ensuring delivery to agreed timelines, quality standards, and release schedules.
- Follow data security, compliance, and governance requirements with a security-first mindset in all engineering activities.

Minimum Requirements

- Bachelor's or Master's degree in Computer Science, Engineering, Information Technology, or a related field
- 6 to 10 years of experience in data engineering, including data ingestion, CI/CD, ETL and ELT, pipeline development, orchestration, platform engineering, and building scalable, maintainable, production-grade data pipelines.
- Strong hands-on experience in AWS, Databricks, Spark, Python, and SQL.
- Experience implementing data quality checks, controls, and observability frameworks including monitoring, alerting, and logging for enterprise data pipelines.

AI and Agentic AI Expectations

- Practical understanding of AI and ML concepts and their application in data and platform engineering contexts.

- Experience using AI-enabled capabilities in Databricks platforms. Familiarity with Agentic AI patterns such as autonomous agents, tool-using AI systems, multi-agent workflows, and AI orchestration frameworks.
- Ability to identify where AI adds meaningful value versus where conventional automation is more appropriate. Experience applying AI to improve developer productivity, SDLC acceleration, workflow automation, and end-user productivity solutions.
- Strong interest in building intelligent automation and platform services that create measurable business value. Strong ownership mindset with accountability from design through production and continuous improvement.
- Ability to work independently with minimal supervision, with strong analytical and problem-solving skills. Excellent verbal and written communication skills in a global environment.
- Agile mindset with active participation in Scrum ceremonies and team delivery processes. Open to learning and adapting to new technologies, tools, and engineering practices.

Why consider Novartis?

Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us!

Learn more here:

<https://www.novartis.com/about/strategy/people-and-culture>

Commitment to Diversity and Inclusion:

Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to hear more about Novartis and our career opportunities, join the Novartis Network here:

<https://talentnetwork.novartis.com/network>

Role Requirements

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together? <https://www.novartis.com/about/strategy/people-and-culture>

Benefits and Rewards: Learn about all the ways we'll help you thrive personally and professionally.

[Read our handbook \(PDF 30 MB\)](#)

Division

DIV_TO

Business Unit

Information Technology

Location

LOC_IN

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

FCT_TT

Job Type

Full time

Employment Type

Regular

Shift Work

No

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