# NOVARTIS

# Data Engineering Manager

Job ID
REQ-10062789

9    30, 2025

India

We are seeking a highly skilled Data Engineer with hands-on experience in SQL, PySpark, Databricks, Snowflake and CI/CD processes. The ideal candidate will be responsible for designing, developing, and maintaining scalable data pipelines and infrastructure to support our data analytics and business intelligence needs. You will work closely with data scientists, analysts, and Novartis internal customers (CPOs & Regional marketing and sales teams) to ensure the efficient processing and delivery of high-quality data.

## About the Role

Key Responsibilities:

- Design, develop, and optimize data pipelines using Python /PySpark and Snowflake to process and analyze large datasets.
- Write complex SQL queries for data extraction, transformation, and loading (ETL) from

multiple, often complex data sources ensuring consistency and accessibility across platforms

- Work with Databricks to build and maintain collaborative and scalable data solutions.
- Implement and manage CI/CD processes for data pipeline deployments to ensure seamless and efficient integration and deployment.
- Create and optimize data models that structure raw data into clean, organized formats suitable for business analysis and reporting.
- Implement and manage CI/CD processes for data pipeline deployments to ensure seamless and efficient integration and deployment.
- Work closely with data scientists, analysts, and business stakeholders to understand data needs, support data-driven projects, and enhance data accessibility.
- Implement data security protocols and ensure compliance with regulations (e.g., GDPR, HIPAA) to protect sensitive information.
- Ensure projects are delivered on schedule and within established timelines.
- Aid in the creation and maintenance of Standard Operating Procedures (SOPs).
- Maintain clear documentation of data workflows, schemas, and data infrastructure, ensuring best practices are followed and enabling knowledge sharing within the team.

Education (minimum/desirable): Masters/PhD in Computer Sciences /IT or other quantitative sciences

Experience /Skills:

- 7+ years' experience in a Global company as a data steward, engineer, modeler or data scientist
- Business understanding of pharmaceutical industry and data standards. Domain experience in at least one of the following areas – a) Pharma R&D, b) Manufacturing, Procurement and Supply Chain and c) Marketing and Sales. Experience in working in Pharma /Life Science industry and US healthcare data is strongly preferred.
- Hand on experience in working with ETL process, and programming/scripting skills (Python) for data preparation and analysis. Experience in Master Data Management and data quality controls is a must.
- Proven experience with PySpark, including developing and tuning data processing applications.
- Advanced proficiency in SQL and experience in writing complex queries and optimizing them for performance on any ETL tool.
- Hands-on experience with Databricks, including notebooks, clusters, and integration with other data tools.
- Strong understanding of CI/CD pipelines and experience with tools such as Jenkins, GitLab CI/CD, or Azure DevOps.
- Familiarity with cloud platforms (e.g., AWS, Azure, Google Cloud) and related data services.
- Proactive attitude and ability to work independently, with excellent problem-solving skills and attention to detail
- Excellent communication and interpersonal skills with consulting and senior stakeholder engagement experience. Experience in Scrum Methodology is a plus.
- Excellent problem-solving skills and attention to detail.
- Strong communication and collaboration skills, with the ability to work effectively in an Agile team environment.

Preferred Skills:

- Understanding of healthcare /life sciences domain data and know-how of pharma ecosystem
- Good to have knowledge on kedro framework.
- Understanding and applying effective data governance methods in an enterprise-wide initiative
- Understanding on AI /ML model building on Snowflake

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

Join our Novartis Network: Not the right Novartis role for you? Sign up to our talent community to stay connected and learn about suitable career opportunities as soon as they come up: https://talentnetwork.novartis.com/network

Benefits and Rewards: Read our handbook to learn about all the ways we' ll help you thrive personally and professionally: https://www.novartis.com/careers/benefits-rewards
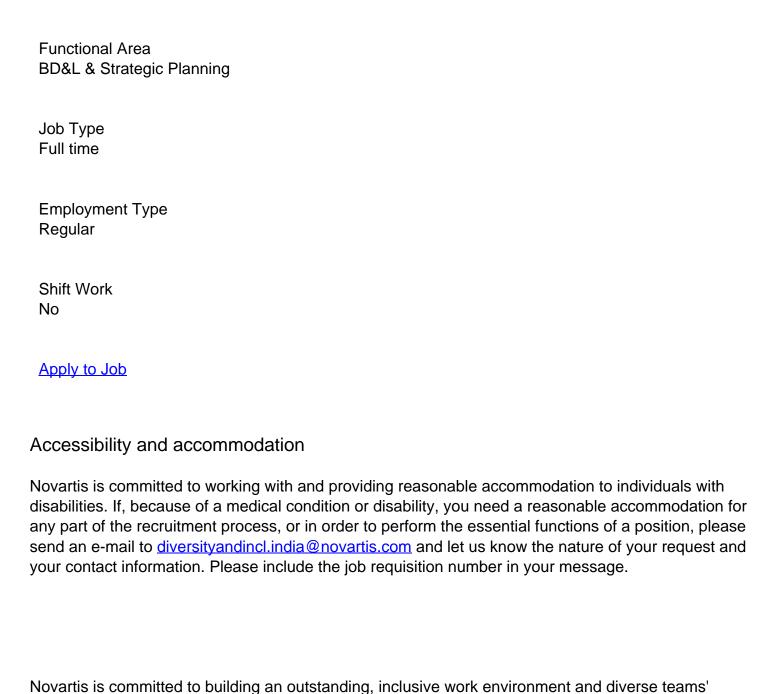
International

Business Unit
Universal Hierarchy Node

India

Hyderabad (Office)

Company /Legal Entity
IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area
BD&L & Strategic Planning


Job Type
Full time


Employment Type
Regular


Shift Work
No


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Novartis is committed to working with and providing reasonable accommodation to individuals with disabilities. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to perform the essential functions of a position, please send an e-mail to [diversityandincl.india@novartis.com](mailto:diversityandincl.india@novartis.com) and let us know the nature of your request and your contact information. Please include the job requisition number in your message.




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

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