

Data Engineer - data42

Job ID

REQ-10012035

Feb 12, 2025

India

Summary

Join our team at data42!

The vision of data42 is to inspire collaborative groundbreaking data and AI initiatives, to reimagine drug discovery at Novartis and accelerate time to market, ultimately transforming healthcare and improving lives. We are a small team dedicated to bringing this vision to life by accelerating secondary research and data-driven decisions where we provide scientific support and data ready for analysis in a collaborative environment, leveraging a secure and governed AI-enabled platform.

As Data Engineer, you will work alongside data scientists and domain experts to enable teams to answer scientific questions using multi-modal data on the data42 platform. You will be involved in gathering use-case requirements, performing data engineering activities, building ETL processes/data pipelines in quick iterations to deliver data ready for analysis. You will integrate data engineering best practices and data quality checks and seek to continuously optimize efficiency.

About the Role

Your responsibilities will include, but are not limited to:

- Collaborates with domain experts, data scientists and other stakeholders to fulfil use-case specific data needs.
- Designs, develops, tests, and maintains ETL processes/data pipelines to extract, prepare and iterate data for analysis in close alignment with TA / DA scientific leads and data scientists.
- Implements and maintains data checks to ensure accurate and high quality-data in close collaboration with domain experts.
- Identifies and rectifies data inconsistencies and irregularities.
- Promotes culture of transparency and communication regarding data modifications and lineage to all stakeholders.
- Implements and advocates for data engineering best practices, ensuring ETL processes/data pipelines are efficient, well-documented and well-tested.
- Plays a role in knowledge sharing across data42 and wider data engineering community at Novartis.
- Ensures compliance with Security and Governance Principles.

Minimum Requirements:

- Bachelor's degree in computer science or other quantitative field (Mathematics, Statistics, Physics, Engineering, etc.) or equivalent practical experience.
- Proven experience as a data engineer, data wrangler or a similar role.

- Exceptional programming skills with expertise in Python, R and Spark.
- Experience and familiarity with a variety of data types, including but not limited to images, tabular, unstructured, and text.
- Experience in scalable data processing engines, data ingestion, extraction and modeling.
- Proficient knowledge in statistics, with an ability to assess data quality, errors, inconsistencies, etc.
- Good knowledge of data engineering best practices · Excellent communication and stakeholder management skills.
- Demonstrated ability to work independently and as part of global Agile teams.

Desirable additional skills in two or more of the following areas:

- Hands on experience on Palantir Foundry (Code Repository, Code Workbook, Contour, Data Lineage, etc.)
- Knowledge of CDISC data standards (SDTM, ADaM)
- Experience using AI (eg: GenAI/LLMs) for data wrangling.
- Experience with pooling of clinical trial data.
- High-level understanding of the drug discovery and development process.

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>

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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>

Division

Biomedical Research

Business Unit

Pharma Research

Location

India

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

Research & Development

Job Type

Full time

Employment Type

Regular

Shift Work

No

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Accessibility and accommodation

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 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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