

# Data Engineer - data42

Job ID  
REQ-10012035  
Sep 03, 2024  
India

## Summary

The Data Engineer will work alongside data scientists and domain experts to enable teams to answering scientific questions using multi-modal data on the data42 platform. They will be involved in gathering use-case requirements, performing engineering activities for data services, building ETL processes/data pipelines in quick iterations to deliver data ready for analysis. The Data Engineer 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.

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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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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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