NOVARTIS

Associate Director, Data Engineering Lead

Job ID
REQ-10086363
Oct 22, 2026
LOC_US

About the Role

Key Responsibilities

- Define and enforce enterprise standards for data engineering, pipeline reliability, and production controls.
- Design and oversee scalable, governed data pipelines supporting critical business and data domains.
- Lead the enterprise data contract lifecycle, including review, approval, governance, and enforcement.
- Implement data observability capabilities across monitoring, anomaly detection, service levels, and operational alerting.
- Establish controls that ensure critical data elements remain traceable, validated, and protected.
- Develop safeguards that prevent incomplete, inaccurate, or non-compliant data from reaching downstream systems.
- Partner with data modeling teams to align engineering implementation with approved enterprise data models.
- Collaborate across governance, privacy, architecture, and platform teams to enable compliant data delivery.
- Drive automation for deployment, validation, metadata capture, lineage generation, testing, and reporting.
- Monitor operational performance and lead resolution of pipeline, contract, and data reliability issues.

Essential Requirements

- Bachelor's degree in Computer Science, Information Systems, Data Engineering, Data Management, Engineering, Analytics, or a related field.
- 5+ years of experience in data engineering, data governance, data architecture, data product management, or enterprise data platform delivery.
- Experience designing, building, or governing enterprise data pipelines, data products, data platforms, or data integration capabilities.
- Direct experience with data contracts, schema validation, data pipeline monitoring, data observability, or data product certification.
- Experience working in complex enterprise environments with multiple data producers, consumers, vendors, platforms, and governance stakeholders.

Desirable Requirements

- Advanced degree or relevant cloud, data engineering, data management, or architecture certification.
- Experience supporting regulated, privacy-sensitive, or compliance-driven data environments.

The salary for this position is expected to range between $152,600 - $283,400 per year. The final salary offered is determined based on factors like, but not limited to, relevant skills and experience, and upon joining Novartis will be reviewed periodically. Novartis may change the published salary range based on company and market factors.

Your compensation will include a performance-based cash incentive and, depending on the level of the role, eligibility to be considered for annual equity awards. US-based eligible employees will receive a comprehensive benefits package that includes health, life and disability benefits, a 401(k) with company contribution and match, and a variety of other benefits. In addition, employees are eligible for a generous time off package including vacation, personal days, holidays and other leaves.

To learn more about the culture, rewards and benefits we offer our people click here.

Role Requirements

Division
DIV_IU
Business Unit
General Management
Location
LOC_US
Site
East Hanover
Company / Legal Entity
U014 (FCRS = US014) Novartis Pharmaceuticals Corporation
Alternative Location 1
LOC_US
Functional Area
FCT_MM
Job Type
Full time
Employment Type
Regular
Shift Work
No
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