

Associate Director, Data Engineering Lead

Job ID
REQ-10026406
Oct 24, 2024
United Kingdom

About the Role

Key Responsibilities:

- Develop data pipelines and IT infrastructure solutions to enable Quantitative Sciences to utilize high quality datasets to make quantitative decisions at trial and/or project level activities, pooling structured data from clinical trials, incorporating evidence from multimodal or large sources of data (such as genomics, biomarkers, digital technology, sensors, imaging, and real-world evidence) and producing high-quality versioned data assets and software pipelines for reproducible analysis
- Provides technical leadership for data engineering projects, plan and oversee data engineering projects from conception to deployment, define project scope, goals, and deliverables, monitor project progress and adjust as necessary to meet deadlines.
- Build strong collaborative working relationships and communicates effectively with Quantitative Science partners along with clinical teams to promote a greater mindset where associates may leverage each other's skills in an open and transparent manner.
- Play a lead role in agile engineering and consulting, providing guidance on for complex data and unplanned data challenges.
- Focus on Risk, Quality & compliance, proposing and implementing improvements to existing processes, ensuring all data engineering processes are well-documented, as well as ensuring compliance with legal and regulatory requirements, and data security and privacy best practices.
- Stay updated with industry trends and advancements, and help establish and strengthen the link between Novartis and the external data engineering community through open-source contributions and publications, as well as through external congresses, conferences, and other scientific workshops and meetings.
- Encourage a culture of continuous learning, constructive collaboration, and innovation within the team, facilitate communication between team members and other departments, delegate and collaborate on tasks and projects to ensure the team meets deadlines.

What you will bring to the role:

- MSc or PhD in Computer Science/Engineering, Data Sciences, Bioinformatics, Biostatistics or any other computational quantitative science
- Minimum of 4-6 years of developing data pipelines & data infrastructure, ideally within a drug development or life sciences context
- Expert in software / data engineering practices (including versioning, release management, deployment of datasets, agile & related software tools).
- Strong software development skills in R and Python, SQL.
- Strong working knowledge of at least one large-scale data processing technology (e.g. High-performance

computing, distributed computing), databases and underlying technology (cloud or on-prem environments, containerization, distributed storage & databases...)

- Strong interpersonal and communication skills (verbal and written) effectively bridging scientific and business needs; experience working in a matrix environment
- Proven record of delivering high-quality results in quantitative sciences and/or a solid publication track record
- Experience in Artificial Intelligence (AI), Big Data, Data Governance, Data Management, Data Quality, Data Science, Data Strategy, Data Visualization, Master Data Management.
- Experience in Machine Learning (ML), Python and R, Statistical Analysis.

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>

Commitment to Diversity & Inclusion:

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

Accessibility and accommodation:

Novartis is committed to working with and providing reasonable accommodation to all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in any order to receive more detailed information about essential functions of a position, please send an e-mail to inclusion.switzerland@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

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>

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

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Division

Development

Business Unit

Innovative Medicines

Location

United Kingdom

Site

London (The Westworks)
Company / Legal Entity
GB16 (FCRS = GB016) Novartis Pharmaceuticals UK Ltd.
Alternative Location 1
Ireland
Functional Area
Data and Digital
Job Type
Full time
Employment Type
Regular
Shift Work
No

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