NOVARTIS

Data Engineer

Job ID
REQ-10033794
Dec 19, 2024
India

Summary

data42 is Novartis' ground-breaking initiative that harnesses the power of R&D data in one of the largest and most diverse datasets in the pharmaceutical industry to reimagine medicine. data42 applies machine learning, artificial intelligence, and sophisticated analytics to generate new insights that increase our understanding of disease and medicines, improve R&D decision-making and ultimately reimagine drug discovery and development. And to take this a step further, we are expanding data42 to create a first-of-its-kind, diverse ecosystem.
A key aspect of the program is to centralize & streamline preclinical data collected across Novartis to enable secondary research. Preclinical pipeline team with focus to streamline end-to-end operations, developing new pipelines and building products to will help Preclinical team with data driven insights and bridge between preclinical to clinical domain. The position will work closely with preclinical pipeline lead and data engineering team.

About the Role

Major accountabilities:

- Responsible for Data Engineering - developing, testing and maintaining production grade Foundry Data Pipelines
- Working closely with Preclinical pipeline lead, tech lead and engineering team on data engineering requirements Actively participate in agile work practices.
- Evaluate and validate new Foundry platform features and align with the pipeline team to realize / enable tech spikes on the Foundry platform
- Collaboration with data scientists, data analysts and technology teams to gather requirements and implement solutions that will be tested and documented
- Coordinating with preclinical pipeline team to ensure quality controls, naming convention & best practices have been followed.
- Participate in PoC development to deliver products to address business needs.
- Understanding on Foundry Platform landscape/roadmap (preferrable).

Key performance indicators:

- Delivery of data pipeline engineering activities in a timely manner for the program.
- Execute CI/CD DevOps principles and maintain technical documentation of any new development.
- Apply Quality Engineering principles to ensure high quality delivery.

Job Dimensions:

Impact on the organization: Responsible for the development and maintenance of Preclinical Data Pipeline and delivering high quality PoC which integrates with business needs and help to drive data driven insights.

Minimum Requirements:

Education: Bachelor's/Master's degree in Computer Science, Applied Mathematics, Engineering, or any other technology related field; equivalent of the same in working experience may also be accepted

Work Experience:

- 6+ years IT experience, 4+ years' experience in Data Engineering on Big Data platform.
- Able to design and implement data integration of different data modalities.
- Hands-on in programming languages primarily Python, PySpark and Spark.
- Hands-on experience with GIT workflow and Strong knowledge about DevOps (CI/CD and agile framework).
- Hands-on experience working with JIRA/Confluence for technical documentation.
- Strong Analytical thinking and problem-solving skills.
- Experience building scalable solutions and pipelines on big data platforms.
- Hands-on experience on Palantir Foundry Platform using Code Repository, Code Workbook, Data Connection, etc… i.e. components to develop data pipelines (preferrable).
- Knowledge of AI/ML concepts with hands-on experience will be valuable.
- Knowledge of preclinical in-vivo study data e.g. CDSIC SEND standard will be desirable.

Skills:

- Back-End Development.
- Code Analysis.
- Big Data Platforms.
- Data Wrangling.
- Software Documentation.
- Software/Data Engineering.
- Software/Data Testing.
- Analytical thinking.
- CDISC SEND.
- Palantir Foundry.
- Unit Testing.

Desired Skills:

OOD (Object-Oriented Design), REST (Representational State Transfer), Software Design, Software Documentation, Software Engineering, Software Testing, Palantir Foundry, Unit Testing, CDISC SEND, Analytical thinking

Languages :

- Fluent English (Oral and Written)

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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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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