Senior Principal Data Engineer

Job ID
REQ-10027152

1   23, 2025

India

Architects and builds data intensive products, platforms, and leveraging data engineering best practices and strength in data ingestion, extraction, and highly scalable data management systems

About the Role

Major accountabilities:

- Build and deploy cloud-based production systems for scientists who have high expectations for quality, turnaround, performance and reliability.
- Create and promote reusable and interoperable systems and the efficient reuse of software and data between disparate systems within BR.
- Create or enhance a reusable, reliable, observable cloud platform for ingesting a large number of heterogeneous data sets from numerous disparate sources, including all of the major cloud providers

- Integrate professional data engineering practices as appropriate into the front lines of BR science groups and inspire others within the engineering community to emulate these practices.
- Ensure adherence to Novartis global Information Security and Quality standards and policies for all products/services.
- If applicable, ensure Regulatory Compliance (e.g. GLP & GCP) standards and policies for GxP products/services.

Minimum Requirements:
Work Experience:

- Significant experience building commercial-quality cloud-based solutions at scale, and leading teams in the design and implementation of creative solutions to difficult computational problems
- Interest in intersection between the life sciences, computer science, data engineering, AI
- Experience building and maintaining secure, scalable, observable infrastructure supporting a large scope of services in Amazon AWS
- Similar experience with Microsoft Azure and Google Cloud Platform a plus
- Experience following standard SDLC practices, including build platforms (Jenkins) and source repositories (Git), Docker, Terraform,CloudWatch, Grafana, Kafka (Amazon MSK) and other event-based streaming services
- Some programming experience:Linux bash/shell scripting, Javascript/Typescript, Python
- Basic statistics / numeral literacy
- Basic understanding of machine learning and generative artificial intelligence and related technologies
- Excellent English-language communication skills
- Excellent interpersonal skills with the ability to create and influence initiatives in a matrix environment that lead to new levels of organizational impact
- Able to debug independently
- Able to work independently while consulting and informing the broader team

Education & Qualifications:

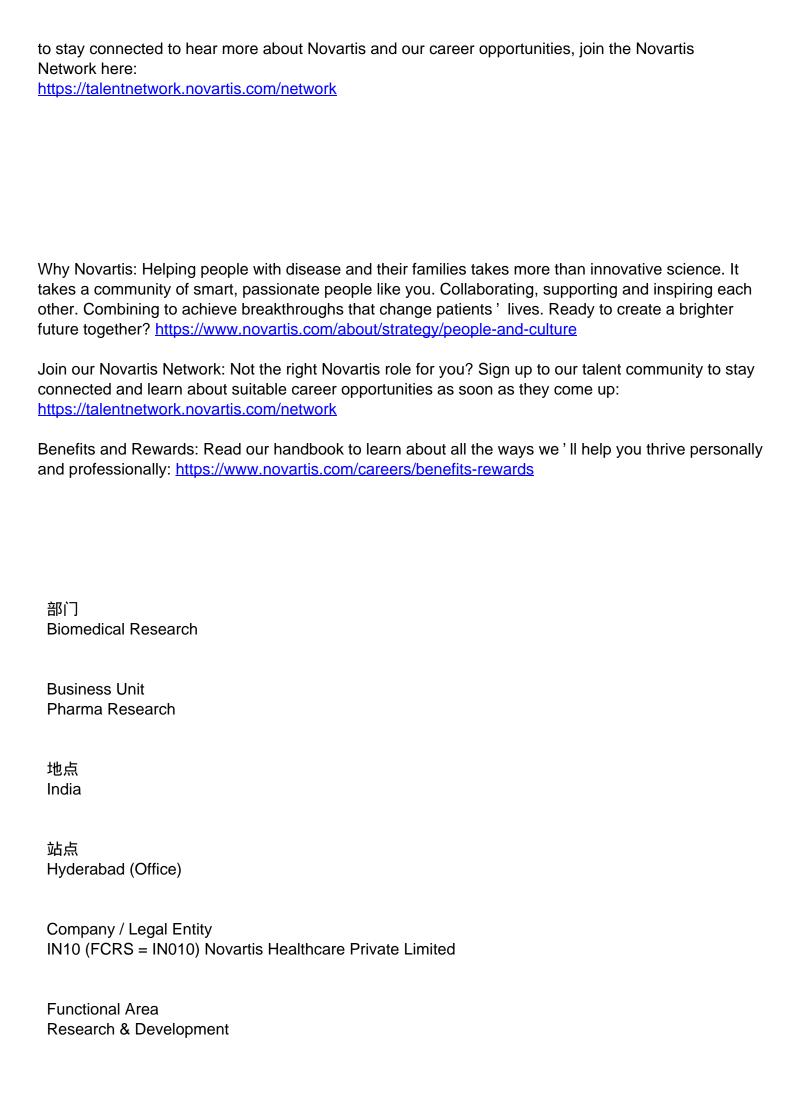- Advanced degree in Computer Science, Informatics or similar, or equivalent practical experience

Commitment to Diversity and Inclusion:
Novartis is 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 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

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish

to stay connected to hear more about Novartis and our career opportunities, join the Novartis Network here:
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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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Biomedical Research

Business Unit
Pharma Research

India

Hyderabad (Office)

Company / Legal Entity
IN10 (FCRS = INO10) Novartis Healthcare Private Limited

Functional Area
Research & Development

Job Type
Full time

Employment Type
Regular

Shift Work
No

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