

Assoc. Dir. DDIT IES Cloud Engineering

Job ID
REQ-10059805

8月 19, 2025

India

摘要

Responsible for designing and developing a cutting-edge AI and Generative AI infrastructure on AWS Cloud platform and COLO, tailored for pharmaceutical business use-cases. The platform will facilitate Biomedical research scientists and other business users for early molecule development and other research activities by providing robust, scalable, and secure computing resources.

About the Role

Major accountabilities:

- Architect and Design: Lead the design and architecture of an GPU based AI infrastructure platform, with a focus on supporting Generative AI workloads and advanced analytics for pharma business use-cases like BioNeMo, Alpha Fold, ESM Fold, Open Fold, ProtGPT and NVIDIA Clara suite.
- Platform Development: Work with Biomedical research scientists to develop and implement

technical solutions for ML/Ops (Run:AI) hosted on K8 EKS cluster.

- Data Management: Oversee the design and implementation of data storage, retrieval, and processing pipelines, ensuring the efficient handling of large datasets, including genomics and chemical compound data.
- Security and Compliance: In collaboration with cloud domain security architects, implement robust security measures for multi-cloud environment and ensure compliance with relevant industry standards, particularly in handling business sensitive data.
- Collaboration: Work closely with Biomedical research & Data scientists and other business stakeholders to understand their needs and translate them into technical solutions.
- Performance Optimization: Optimize the performance and cost-efficiency of the platform, including monitoring and scaling resources as needed.
- Innovation: Stay updated with the latest trends and technologies in AI and cloud infrastructure, continuously exploring new ways to enhance the platform's capabilities.

Key performance indicators:

- Delivery on agreed KPIs including business impact.
- Launch of innovative technology solutions across Novartis at scale.
- Business impact and value generated from IES solutions.
- Adoption and development of Agile, Productization and DevSecOps practices.
- Operations stability and effective risk management.
- Feedback on customer experience.

Minimum Requirements:

Education & Certification:

- Bachelor ' s degree in Information Technology, Computer Science, or Engineering.
- AWS Solution Architect certification - professional

Work Experience:

- 8+ years of strong technical hands-on experience of delivering infrastructure and platform services across geographic and business boundaries.
- Working experience on GPU based AI Infrastructure. Experience in NVIDIA DGX Infra is highly preferred.
- Deep understanding of Architecture and Design of Platform Engineering products with focus mainly on Data science, ML/Ops and Bio science or Pharma Gen AI foundational models. Experience in NVIDIA BioNeMo or Clara is highly preferred.
- Extensive experience in building infra solutions on AWS, particularly with services like AWS Bedrock, Amazon Q, SageMaker, ECS/EKS
- Knowledge of containerization and orchestration technologies, such as Docker and Kubernetes.
- Experience with DevOps practices and tools, including CI/CD pipelines, infrastructure as code (IaC), and monitoring solutions.
- Excellent skills in collaborating with business users, Product team, Operationalizing the delivered products and working closely with Security for implementing compliance.
- Good knowledge on implementing well defined & industry standard Change management

process for platform & its products. Have a well-structured Use-case onboarding process. Should ensure to have documentation for Platform products and implementations done.

- Experience with DevOps Orchestration/Configuration/Continuous Integration Management technologies
- Good understanding of High Availability and Disaster Recovery concepts for infrastructure
- Ability to analyze and resolve complex infrastructure resource and application deployment issues.

Skills & Competencies:

- Comfortable being the first line of defense in the event of an outage, capable of working with multiple vendors to arrive at a solution ASAP - Good at mitigating the outage to keep our business running
- Has one eye on cost, and one eye on the needs of the team.
- Track record of delivering projects on time and on budget, passion for coding, and good oral and written communication skills.
- Continues to iterate on Architecture to improve performance / reliability / durability / flexibility
- Need someone who can make a contribution day one and hit the ground running.
- Comfortable with ambiguity, knows when to call a meeting to get in alignment, and knows when it's time to just get things done.
- Proven track record working with multinational teams
- Good presentation and communication skills (written & spoken)

Languages:

- Excellent written, presentation and verbal communication skills
- Languages: Fluent in English (written & spoken), additional languages a plus

Why consider Novartis?

Our purpose is to reimagine medicine to improve and extend people 's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us!

Learn more here:

<https://www.novartis.com/about/strategy/people-and-culture>

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.

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:

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

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>

Join our Novartis Network: Not the right Novartis role for you? Sign up to our talent community to stay connected and learn about suitable career opportunities as soon as they come up: <https://talentnetwork.novartis.com/network>

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>

部门

Operations

Business Unit

Universal Hierarchy Node

地点

India

站点

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Alternative Location 1

Barcelona Gran V í a, Spain

Alternative Location 2

Prague, Czech Republic

Functional Area
Technology Transformation

Job Type
Full time

Employment Type
Regular

Shift Work
No

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