NOVARTIS

Sr. Spec. DDIT IES Cloud Engineering

Job ID
REQ-10023733
Oct 11, 2024
India

About the Role

MAJOR ACCOUNTABILITIES

- Architect and Design: Lead the design and architecture of an AWS-based AI infrastructure platform, with a focus on supporting Generative AI workloads and advanced analytics for pharma business use-cases.
- Platform Development: Develop and deploy scalable AI solutions, leveraging AWS's suite of services, including AWS Bedrock, Q, SageMaker, App Studio and AI Infrastructure tools.
- Data Management: Oversee the design and implementation of data storage, retrieval, and processing pipelines, ensuring the efficient handling of large datasets, including genomic and chemical compound data.
- Security and Compliance: In collaboration with cloud domain security architects, implement robust security measures and ensure compliance with relevant industry standards, particularly in handling business sensitive data.
- Collaboration: Work closely with data scientists, research 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.

Additional Specifications Required for the Position:

- Bachelor's degree in Information Technology, Computer Science, or Engineering.
- AWS Solution Architect certification – professional
- 8+ years of strong technical hands-on experience of delivering infrastructure and platform services across geographic and business boundaries
- Minimum 5+ years' of technical hands-on experience in AWS Solution Architect / Design Expert role for large enterprises
- Deep understanding of Architecture and Design of Platform Engineering products with focus mainly on Data science/ML compute products, Cognitive, (Gen)AI, etc.
- Extensive experience in building infra solutions on AWS, particularly with services like AWS Bedrock, Amazon Q, SageMaker, App Studio, Machine Learning and ECS/EKS
- Proficiency in AI and Machine Learning frameworks (TensorFlow, PyTorch, Keras) and familiarity with model deployment and operationalization (MLOps).
- Solid hands-on experience in Generative AI techniques, including Natural Language Processing (NLP), Generative Adversarial Networks (GANs), and transformer models.
- Good understanding of data engineering, including ETL processes, data warehousing, and working with

both structured and unstructured data.
- 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, working closely with Security for implementing compliance, close interaction with Cloud operations team for provisioning Azure services.
- 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.

KEY PERFORMANCE INDICATORS / MEASURES OF SUCCESS

- Adherence to the Novartis IT quality standards
- Deliver on time
- Cost optimization
- Completeness and quality of deliverables
- Customer feedback (expectations met/exceeded)
- Application on boarding delivery success
- Actively contribute to the business with innovative solutions that show results in the form of cost optimization and / or growth of the business top line revenue.

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

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

Division
Operations
Business Unit
CTS
Location
India
Site
Hyderabad (Office)
Company / Legal Entity
IN10 (FCRS = IN010) Novartis Healthcare Private Limited
Alternative Location 1

Czech Republic

Functional Area

Technology Transformation

Job Type

Full time

Employment Type

Regular

Shift Work

No

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