

Assoc.Dir.DDIT US&I MLOPS Architect

Job ID
REQ-10031988
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Indien

Summary

As an Associate Director ML Ops – DSAI Products at Novartis, you will lead the rollout of advanced analytics and AI products for US and international markets. You will create and manage product roadmaps, from concept to launch, ensuring technology adoption, security, and compliance. Your role involves rapid prototyping and scaling of emerging technologies, aligning innovation efforts with business and IT strategies. Additionally, you will oversee model deployment, infrastructure management, CI/CD pipelines, and ensure the scalability, security, and compliance of ML models.

About the Role

Roles and Responsibilities:

Act as a liaison between the Platform and Data Scientist/Data engineer and work towards building the DE/DS pipelines in various data and cloud platforms

Come to work each day with an inclusive and collaborative business-facing team. As an Associate Director ML Ops – DSAI Products in the DDIT US&I - Data, Analytics, and Insights team, you'll have opportunities to contribute to the modernization of the data ecosystem, deliver DnA (Data and Analytics) products to the countries and the core brand teams to deliver exceptional customer experience, reach twice as many patients twice as fast to help them prevail over severe diseases by leveraging data-driven insights.

Key responsibilities:

- Define and evaluate end to end Architecture for cloud based Data science applications
- Work closely with the DE/DS teams to enable end-to-end CI/CD build
- Define data and model metric and enable tracking of the metric in the CI/CD
- ML Flow design with data engineering and data scientist
- Work with platform team to enable connections/platform relates features required for the project
- Work with ML ops to define pytest within the modules and config file elements for Dev
- Model Deployment: Oversee the deployment of ML/DL models from development to production environments, ensuring smooth transitions and minimal disruptions
- Work with DE/DS for resolution of checks on Sonarqube, Checkmark and other platform CI/CD checkpoints and parameters
- Monitoring and Maintenance: Continuously monitor the performance of ML models in production, identifying and addressing issues such as data drift, model degradation, and operational bottlenecks
- Documentation: Maintain comprehensive documentation for ML models, workflows, and processes to facilitate knowledge sharing and compliance.
- Experimentation: Support the experimentation and iteration of ML models by providing robust

environments for testing and validation

- Build and Maintain data pipelines for analytics, model evaluation, training (versioning, compliance, validation)
- Architect infrastructure in AWS and Azure Cloud

Experience

- Hands on working knowledge in building scalable enterprise architecture for global data science applications
- Strong experience in working with Machine learning, Deep learning and Gen-AI (good to have) applications
- Understanding of agile methodologies, continuous integration, and continuous deployment (CI/CD) and SDLC processes
- Well-versed in various ML/DL algorithms and techniques
- Tool: Python/SQL, Databricks AI Workbench, Jenkins, Sonarqube, Experiment tracking, ML Flow, Bitbucket, Docker, Kubernetes, Terraform etc.
- Machine learning , Deep learning, Gen-AI, NLP, Computer Vision, Pytorch, Tensorflow
- Certifications preferred in AWS / Azure Architecture
- Knowledge in implementing Responsible AI , Data privacy and Application Security practices for enterprise applications

Education

- University Degree and/or 10 years relevant experience and professional qualifications

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.

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
Standort
Indien
Site
Hyderabad (Office)
Company / Legal Entity
IN10 (FCRS = IN010) Novartis Healthcare Private Limited
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Technology Transformation
Job Type
Full time
Employment Type
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