

Senior Manager - AI (Architect)

Job ID

REQ-10069903

Jul 28, 2026

LOC_IN

About the Role

Key Responsibilities

- Translate business strategies into AI roadmaps and target architectures that guide enterprise-wide adoption.
- Lead architecture governance, establishing reference patterns for RAG, fine-tuning, classical ML, and hybrid search/graph solutions.
- Define and enforce NFRs, SLOs, and FinOps guardrails to ensure scalable, reliable, and cost-efficient AI systems.
- Design and deliver end-to-end AI solutions, from data acquisition and feature engineering to model/prompt development and production deployment.
- Embed security, privacy, and compliance controls across AI workflows, including PII protection and audit readiness.
- Establish evaluation frameworks (offline metrics, HITL, A/B testing, safety filters) to ensure quality, safety, and robustness of GenAI and ML solutions.
- Integrate AI systems with enterprise data platforms, vector databases, graph stores, and ontology-driven data contracts for interoperability.
- Implement and mature ML/LLMOps practices, including CI/CD pipelines, registries, observability, drift monitoring, and automated rollback processes.
- Drive Responsible AI and governance, partnering with legal, risk, and compliance teams to meet regulatory and ethical standards.
- Lead cross-functional teams, mentor engineers, promote agile ways of working, and communicate complex topics to technical and non-technical stakeholders

Essential Requirements

- Bachelor's or Master's degree in computer science, IT, or other quantitative disciplines.
- 10+ years overall experience, including 5+ years in AI/ML or data-intensive solution architecture at enterprise scale.
- Demonstrated success delivering production AI systems that meet enterprise NFRs (security, latency, cost, compliance).
- Strong engineering background in at least two programming languages (e.g., Python, Java, Scala).
- Deep expertise in cloud-native architectures (Kubernetes, microservices, event streaming) and at least one major cloud platform.
- Practical proficiency with MLOps/LLMOps tools: model/prompt registries, evaluators, feature stores, pipelines.
- Strong understanding of NLP, semantic search, and text mining techniques.
- Ability to manage multiple priorities, work under tight deadlines, and operate within a global team environment.

Desired Requirements

- Experience in the pharmaceutical industry with understanding of industry-specific data standards.
- Domain expertise in at least one area Pharma R&D, Manufacturing, Procurement & Supply Chain, Marketing & Sales
- Strong background in semantic technologies and knowledge representation (OWL, RDF, SPARQL, SWRL, JSON-LD, Turtle).

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>

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Division

DIV_IU

Business Unit

General Management

Location

LOC_IN

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

FCT_MM

Job Type

Full time

Employment Type

Regular

Shift Work

No

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