

GenAI Solution Architect

Job ID

REQ-10062668

Oct 10, 2025

LOC_ES

About the Role

Key Responsibilities:

- Solution Architecture & Delivery
 - Define and deliver scalable AI solutions across discovery, development, regulatory, and commercial functions.
 - Create and maintain reference architectures, reusable components, and best practices for GenAI adoption.
- Business Partnership
 - Engage with business stakeholders to identify high-value use cases and translate requirements into technical solutions.
 - Act as a trusted advisor for GenAI solutioning across India and global teams.
- Governance & Compliance
 - Ensure alignment with responsible AI practices and compliance with HIPAA, GDPR, GxP, and EU AI Act.
 - Embed security, transparency, and fairness principles into all architectures.
- Innovation & Ecosystem Engagement
 - Evaluate and integrate new LLM models, frameworks, and orchestration tools (OpenAI, Anthropic, Llama, LangChain, LlamaIndex, DSPy).
 - Partner with startups, academia, and vendors to bring cutting-edge GenAI innovation to Novartis.
- Leadership & Mentorship
 - Provide technical guidance to solution teams and build GenAI capability within the India hub.
 - Collaborate with peers across Novartis to ensure global consistency and scalability.

Minimum Requirements:

- Bachelor's / Master's degree in Computer Science, Data Science, AI/ML, or equivalent.
- 12+ years in enterprise IT/solution architecture, including 4+ years in AI/ML and 2+ years in GenAI.
- Experience in pharma, life sciences, or healthcare industry highly preferred.
- Hands-on knowledge of LLMs, vector databases, RAG, and multi-agent systems.
- Proven ability to design solutions across multi-cloud environments (Azure AI Foundry, AWS Bedrock).
- Strong familiarity with regulatory frameworks and AI governance.

Accessibility and accommodation: Novartis is committed to working with and providing reasonable accommodation to all individuals. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to receive more detailed information about the essential functions of a position, please send an e-mail to talentnetwork@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>

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Role Requirements

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Division

DIV_TO

Business Unit

Information Technology

Location

LOC_ES

Site

Barcelona Gran Vía

Company / Legal Entity

ES06 (FCRS = ES006) Novartis Farmacéutica, S.A.

Functional Area

FCT_TT

Job Type

Full time

Employment Type

Regular

Shift Work

No

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