

GenAI Solution Architect

Job ID

REQ-10062668

Jun 02, 2026

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 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>

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>

Benefits and Rewards: Learn about all the ways we'll help you thrive personally and professionally.

[Read our handbook \(PDF 30 MB\)](#)

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

[Apply to Job](#)

Job ID

REQ-10062668

GenAI Solution Architect

[Apply to Job](#)

Source URL: <https://prod1.jobapi.novartis.com.cn/req-10062668-genai-solution-architect>

List of links present in page

1. <https://prod1.jobapi.novartis.com.cn/req-10062668-genai-solution-architect>
2. <https://www.novartis.com/about/strategy/people-and-culture>
3. <https://talentnetwork.novartis.com/network>
4. <https://www.novartis.com/careers/benefits-rewards>
5. <https://www.novartis.com/about/strategy/people-and-culture>
6. https://www.novartis.com/sites/novartis_com/files/novartis-life-handbook.pdf
7. https://novartis.wd3.myworkdayjobs.com/en-US/Novartis_Careers/job/Barcelona-Gran-Va/GenAI-Solution-Architect_REQ-10062668
8. https://novartis.wd3.myworkdayjobs.com/en-US/Novartis_Careers/job/Barcelona-Gran-Va/GenAI-Solution-Architect_REQ-10062668