NOVARTIS

Senior Specialist Security Architecture AI

Job ID
REQ-10090934
Ноя. 03, 2026
Индия

Сводка

Internal Job Title: Senior Specialist Security Architecture AI

#LI-Hybrid

Location: Hyderabad, India

Relocation Support: Yes

Help shape how AI is built securely at scale. In this role, you'll combine AI security architecture with hands-on engineering to protect emerging AI and agentic systems from development through deployment. You'll influence security standards and architecture patterns, design secure agent workflows and Model Context Protocol integrations, and work with engineering teams to embed security across AI platforms, models, data and development pipelines. This is an opportunity to work at the intersection of AI innovation, cybersecurity and software engineering while helping Novartis adopt AI responsibly and securely.

About the Role

Key Responsibilities

- Shape secure AI architectures, standards and patterns across enterprise AI platforms and solutions.
- Define security strategies protecting AI models, datasets, pipelines and supporting infrastructure.
- Assess AI environments, identify vulnerabilities and mitigate risks throughout the AI lifecycle.
- Design secure agentic AI workflows, Model Context Protocol servers and integrations.
- Embed security into AI development, deployment and Machine Learning Operations processes.
- Develop secure Python services, integrations, web applications and developer-facing tools.
- Build and optimize security scanning capabilities for AI-generated code and software dependencies.
- Evaluate AI security technologies and recommend solutions based on evolving threats and business needs.
- Partner with engineering, data science and platform teams to implement security-by-design practices.
- Communicate AI security risks, architecture decisions and recommendations to technical and senior stakeholders.

Essential Requirements

- Relevant degree or equivalent experience, with substantial professional experience across security, architecture and software development.
- At least **2 years of hands-on experience in Artificial Intelligence security and engineering** including securing models, data and deployments.
- Strong Artificial Intelligence security architecture expertise, including threat modelling, risk identification, security patterns, standards and controls.
- Practical experience securing **agentic Artificial Intelligence**, including Model Context Protocol integrations, agent workflows and Artificial Intelligence gateways.
- Strong software engineering capability with professional **Python development**, automated testing and experience using Artificial Intelligence coding agents.
- Strong cloud security and architecture experience, particularly **Amazon Web Services**, with knowledge of Machine Learning Operations and secure deployment practices.

Desirable Requirements

- Experience with Artificial Intelligence security technologies such as **Cranium, Noma, JFrog Xray, HiddenLayer or Darktrace**.
- Experience building **developer-facing command-line tools** and working effectively across global, multi-vendor technology environments.

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

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

Read our handbook (PDF 30 MB)

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Operations
Business Unit
Information Technology
Место
Индия
Сайт
Hyderabad (Office)
Company / Legal Entity
IN10 (FCRS = IN010) Novartis Healthcare Private Limited
Functional Area
Информационные технологии
Job Type
Full time
Employment Type
Regular
Shift Work
No

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