NOVARTIS

Senior Specialist Security Architecture AI

Job ID
REQ-10091853
Nov 10, 2026
LOC_CZ

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.

The base salary offered is determined based on gender-neutral objectives, such as relevant skills, competencies and experience in accordance with the Novartis pay setting policy and upon joining Novartis will be reviewed periodically.

In addition to your base salary, you may be eligible for a performance-based bonus depending on certain performance

parameters.

The rewards of being part of our team go far beyond base pay and incentives. We also offer a variety of competitive benefits in kind to help you thrive personally and professionally, such as insurance plans, retirement plans, wellbeing resources and global recognition programs. In addition, we provide flexible and hybrid working options, where possible, and minimum 14 weeks paid parental leave.

You'll receive (CZ only):
Monthly pension contribution matching your individual contribution up to 3% of your gross monthly base salary; Risk Life Insurance (full cost covered by Novartis); 5-week holiday per year; (1 week above the Labour Law requirement) ; 4 paid sick days within one calendar year in case of absence due to sickness without a medical sickness report; Cafeteria employee benefit program – choice of benefits from Benefit Plus Cafeteria in the amount of 1,500 CZK per year; Meal vouchers in amount of 105 CZK for each working day (full tax covered by company); Car Allowance; MultiSport Card. Find out more about Novartis Business Services: https://www.novartis.cz/

Pay equity is a fundamental principle of our employment policy and reflects our commitment to create a diverse, equitable and inclusive environment that treats all employees with dignity and respect, as outlined in our Code of Ethics.

Read our brochure to learn more about our global total rewards offering:
https://www.novartis.com/sites/novartis_com/files/novartis-life-handbook.pdf

Note: Benefits and compensation may vary by country and are subject to local legal requirements, including provisions of collective bargaining agreements where applicable. A full overview of your compensation package, including any relevant collective bargaining agreement details applicable to your role based on your employment location and Novartis employer entity, will be communicated separately to you during the application process.

Commitment to Diversity & 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 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 email to di.cz@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

Role Requirements

Primary location salary range
Kč948,290.00 - Kč1,761,110.00
Division
DIV_TO
Business Unit
Information Technology
Location
LOC_CZ

Site
Prague
Company / Legal Entity
CZ02 (FCRS = CZ002) Novartis s.r.o.
Functional Area
FCT_IT
Job Type
Full time
Employment Type
Regular
Shift Work
No
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