

Assoc. Dir. -Functional Security Architect for Novartis Biomedical Research

Job ID
REQ-10043459
May 19, 2025
Czech Republic

Summary

Novartis is unable to offer relocation support for this role: please only apply if this location is accessible for you.

The Novartis Biomedical Research (BR) is in need of a functional security architect (FSA) to assist them in the development of new systems and platforms to support Novartis' innovative biomedical research pipelines and proofs of concept initiatives. BR conducts early-stage research and development and collaborates across scientific and organizational boundaries, with a focus on powerful new technologies that have the potential to help produce therapeutic breakthroughs for patients. As a Functional Security Architect, you will support these innovation initiatives by providing subject matter expertise in the domain of end-to-end security architecture and guidance.

The FSA will work with BR technology and science teams to ensure solutions are security designed, following approved security patterns and providing ongoing security consulting and expertise to support the certain activities.

About the Role

Key Responsibilities:

- Provides in depth expertise about security principles, ensures controls are included as technical requirements
- Advise peer architects and technologists about approved security patterns and practices
- Reviews, and challenges defined IT security related internal standards for the ongoing improvement of Novartis policies and procedures
- Acts as single point of contact, collaborating closely with other FSAs and IT Architects on IT security related matters
- Promotes IT Security culture within the business and application management teams
- Defines pragmatic solutions and recommends alternatives that meet or exceed security requirements
- Reports on security status of projects
- Builds external network regarding IT security relevant to the business function
- Performs risk/threat assessment of all IT project related to the function
- Manages pool of external security and solution architects assigned to portfolio. Manages prioritization of security assessment for the function

We are committed to building an outstanding, inclusive work environment and diverse teams representative of the patients and communities we serve.

What you'll bring to the role:

- University working and thinking level, degree in technical/scientific area or comparable education/experience and 8+ years of professional experience in IT, with a strong focus on security.
- 5+ years of dedicated experience in security architecture, including designing and implementing security solutions and proficient English.
- Proven track record in preparing and presenting security architecture plans, strategies, and security reports to security and IT leadership.
- Demonstrated ability to communicate complex security concepts to both technical and non-technical stakeholders effectively. Proficiency in risk assessment, threat modeling, and vulnerability management.
- Comprehensive understanding of security standards, frameworks, and best practices.
- Hands-on experience with security technologies, including but not limited to firewalls, intrusion detection/prevention systems, encryption, and identity management.

Desirable requirements:

- Professional information security certification, such as CISSP and/or technical architecture certifications from AWS, Azure, Microsoft, Cisco, etc., is preferred
- CSSLP, GSSP, ECCSP, CASS

You'll receive:

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 12,500 CZK per year; Meal vouchers in amount of 90 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/>

Join our Novartis Network: If this role is not suitable to your experience or career goals but you wish to stay connected to learn more about Novartis and our career opportunities, join the Novartis Network here:

<https://talentnetwork.novartis.com/network>

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>

Division

Operations

Business Unit

CTS

Location

Czech Republic

Site

Prague

Company / Legal Entity

CZ02 (FCRS = CZ002) Novartis s.r.o

Alternative Location 1

Barcelona Gran Vía, Spain

Alternative Location 2

Ljubljana, Slovenia

Functional Area

Technology Transformation

Job Type

Full time

Employment Type

Regular

Shift Work

No

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