NOVARTIS

Enterprise Security Architect – Data Security

Job ID
REQ-10069404
Сен. 07, 2026
Испания

Сводка

Location: Barcelona, Spain; Tel Aviv, Israel
#LI-Hybrid
Internal job title: Assoc. Dir. DDIT ISC Enterprise Security Architecture – Data Security

The Enterprise Security Architecture team is looking for a deeply technical security architect who enjoys solving hard engineering problems, influencing enterprise-scale technology decisions, and staying close to implementation.
Over the next several years, your primary mission will be to lead our Post-Quantum Cryptography (PQC) readiness program and modernize Data Loss Prevention (DLP) capabilities across the enterprise. This is not a governance-only role. We are looking for a hands-on expert who enjoys understanding how technologies work, validating vendor claims, building proof-of-concepts, analyzing architectures, and driving practical outcomes.

You will work across infrastructure, cloud, networking, identity, workplace technologies, and applications to help prepare the organization for one of the largest cryptographic transformations in decades while simultaneously improving the effectiveness, precision, and operational efficiency of our data protection capabilities.

About the Role

Key responsibilities:

- Develop and enforce security policies and procedures related Data Security across Novartis businesses to meet business and regulatory requirements
- Design security measures and overall Data Security architecture for the IT landscape in line with the ISC policy framework
- Technical lead for PQC readiness program
- Support and continually review technology standards and controls related to Data Security and recommend information technology strategies, policies, and procedures
- Identify design problems within the Data Security domain
- Support projects to evolve Data Security solutions from evaluation to implementation and assist the delivery of the operational model
- Support the auditing of security policies and procedures
- Management communication with key stakeholders and provide reports to management
- Provide ongoing support to maintain the Data Security domain’s effectiveness and efficiency by defining, delivering, and supporting strategic plans for implementing information technologies
- Develop and maintain relationships with key stakeholders and vendors
- Support the direction of technological research by learning the organizational goals, strategies and business drivers
- Develop and maintain architecture diagrams and documentation related to Data Security processes and procedures
- Break down the strategic objectives to requirements on the solution portfolio and target architecture
- Key contributor on products, services and/or infrastructure strategies that require complex or advanced conceptualization
- Research and evaluate new Data Security technologies and make strategic security technology choices, directly supervising the quality of designs and implementation inside and between components
- Work with improvements, by participation in the development, of the architectural principles, processes, and standards

Essential Requirements:

- University working and thinking level, degree in business/technical area or comparable education/experience
- 15+ years of working experience in Security domain; minimum 5 years in architecture capacity;
- 5+ years of experience of working in or providing IT services to a large enterprise like Novartis.
- Exceptional understanding security domains like **Digital Workspace, Data Protection, AI Security** as well as good knowledge of Network Security, Identity and Access Management, SIEM, Vulnerability Management
- Strong understanding of **core cryptography concepts** (encryption, key exchange, hashing, digital signatures):
  - Solid **PKI expertise**, including certificate lifecycle management, trust models, and enterprise PKI architectures.
  - Clear understanding of **Post-Quantum Cryptography (PQC)** concepts, quantum risks to current algorithms, and crypto-agility principles.
  - Ability to assess **quantum-vulnerable cryptographic usage** and data protection controls.
  - Experience designing **data encryption architectures** for data at rest and in transit.
  - Knowledge of **key management and HSM/KMS** solutions.
  - Familiarity with **cryptographic standards and regulatory requirements** (e.g., NIST).
- Exceptional understanding and knowledge of general IT infrastructure technology, systems and management processes, and experience of sourcing complex IT services, working closely with vendors and making full use of their capabilities
- Good knowledge of IT Project Management: Proven experience to initiate and manage projects that will affect other divisions, departments and functions, as well as the corporate environment.
- Experience with compliance requirements (e.g. SOX, GxQ / CSV, E-compliance, Records Management, Privacy), and knowledge of (information) risk management related standards or frameworks such as COSO, ISO 2700x, CobiT, ISO 24762, BS 25999, NIST, ISF Standard of Good Practice and ITIL
- Strong leadership experience, with excellent written and verbal communication and presentation skills at all levels of the organisation and experience in reporting to and communicating with senior level management (with and without IT background, with and without in-depth risk management background) on information risk topics; interpersonal and collaborative skills, as well as good mediation and facilitation skills

Desirable

- Good understanding and experience with Enterprise Architecture Frameworks like TOGAF will be an added advantage.

Commitment to Diversity & Inclusion:

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

Why Novartis?
Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us! Learn more here: https://www.novartis.com/about/strategy/people-and-culture

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

Benefits and Rewards: Learn about all the ways we'll help you thrive personally and professionally.
Read our handbook (PDF 30 MB)

Primary location salary range
€57,900.00 - €107,500.00
Дивизион
Operations
Business Unit
Information Technology
Место
Испания
Сайт
Barcelona Gran Vía
Company / Legal Entity
ES06 (FCRS = ES006) Novartis Farmacéutica, S.A.
Alternative Location 1
Israel, Израиль
Functional Area
Информационные технологии
Job Type
Full time
Employment Type
Regular
Shift Work
No

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