NOVARTIS

Solution Architect IT/OT

Job ID
REQ-10085529
Ноя. 09, 2026
Испания

Сводка

#LI-Onsite

Primary Location: Barcelona, Spain
Other Locations: Slovenia
Compensation: 41,900.00 - 77,700.00 EUR Annual
Relocation Support: This role is based in Barcelona, Spain. Novartis is unable to offer relocation support: please only apply if accessible.

About the role

Join our Technical Research & Development (TRD) Architecture team and help shape the secure, connected digital environment underpinning our laboratories and manufacturing operations.

As Solution Architect IT/OT, you will help build the internal IT/OT architecture capability required to support the Novartis OT Security Reference Architecture (NORA) rollout across Digital Labs and Digital Plant, as well as TRD's scientific data connectivity capability, SPINE Connect.

Reporting to the Director, TRD Enterprise/Domain Architecture, you will work closely with architecture, infrastructure, security, quality, site and delivery teams to translate operational requirements into practical, secure and scalable solution architectures.

Your immediate focus will be supporting SPINE Connect and NORA, helping determine how OT systems are securely integrated, connected and operated across TRD environments.

About the Role

Key responsibilities

- Support the definition and implementation of **NORA-compliant solution architectures** for TRD laboratory and plant systems.
- Build and maintain the **TRD NORA system and component inventory**, covering instrument PCs, interface PCs, connector servers, agents, relay components, schedulers, IoT devices, local file drops, historians, vendor-managed systems and air-gapped assets.
- Support the Digital Labs and Digital Plant Architecture Lead in defining **MES, Historian and SPINE integration patterns**.
- Translate infrastructure and security requirements into **practical, reusable architecture patterns** for laboratories and plants.
- Partner with infrastructure, security, quality, site SMEs, vendors and delivery teams to ensure architecture decisions can be effectively implemented through established processes.
- Create and maintain **Architecture Decision Records (ADRs), architecture diagrams, exception records, decision logs, migration-readiness views and reusable integration patterns**.
- Ensure architecture decisions appropriately address **GxP/CSV/CSA requirements, performance, supportability, operational continuity, monitoring and security by design**.
- Identify architecture gaps and risks, develop solution options and work proactively with stakeholders to resolve delivery issues.

Essential requirements

- 8+ years of IT experience, including 3+ years in architecture or solution design roles.
- Bachelor's or Master's degree in Computer Science, Engineering or a related discipline.
- Strong knowledge of APIs, microservices, event-driven architectures and integration technologies.
- Experience working within **regulated or validated IT/OT environments**, ideally within pharmaceutical, life sciences, manufacturing or laboratory environments.
- Understanding of **GxP and validation requirements**.
- Understanding of **OT network segmentation, industrial and laboratory connectivity, DMZ/proxy/broker patterns, identity and domain models, endpoint baselines and secure remote or vendor access**.
- Familiarity with systems such as **LIMS, ELN, MES, Historians, CDS, interface PCs and vendor-managed laboratory or plant systems**
- Ability to translate infrastructure and security requirements into **clear architecture decisions, diagrams, implementation guidance and guardrails**
- Strong stakeholder-management skills across infrastructure, security, quality, sites, vendors, delivery teams and business-facing teams.
- Good understanding of non-functional requirements including **performance, latency, availability, monitoring, backup and restore, validation impact, supportability and operational continuity**.
- Experience producing architecture documentation, including **architecture specifications, Architecture Decision Records, integration views and system inventories**.

At Novartis, we're committed to reimagining medicine together and rewarding the people who make it happen.

Expected Annual Base Salary Range: €41,900 to €77,700.

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 will be reviewed periodically after joining Novartis.

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 beyond base pay and incentives. We offer a variety of competitive benefits to help you thrive personally and professionally, including insurance plans, retirement plans, wellbeing resources and global recognition programs. We also provide flexible working options where possible and a minimum of 14 weeks' paid parental leave.

Benefits and compensation may vary by country and are subject to local legal requirements, including provisions of collective bargaining agreements where applicable. Details of your compensation package and any applicable collective bargaining agreement provisions will be communicated during the application process.

This follows the current Novartis pay-transparency template language, which specifically calls for the full Workday benchmark range and the gender-neutral pay-setting statement.

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?

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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
€41,900.00 - €77,700.00
Дивизион
Operations
Business Unit
Development
Место
Испания
Сайт
Barcelona Gran Vía
Company / Legal Entity
ES06 (FCRS = ES006) Novartis Farmacéutica, S.A.
Functional Area
Информационные технологии
Job Type
Full time
Employment Type
Regular
Shift Work
No

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