

Solution Architect IT/OT

Job ID
REQ-10085529

十月 20, 2026

Spain

摘要

#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.

Help shape the secure digital foundations behind the laboratories and plants where innovation comes to life. As a Solution Architect, IT/OT, you will play a key role in strengthening Novartis' internal IT/OT architecture capability across Digital Labs, Digital Plant and scientific data connectivity. With an immediate focus on the Novartis OT Security Reference Architecture (NORA) and SPINE Connect, you will turn complex infrastructure, security and business needs into pragmatic, secure and compliant architecture solutions. This is a highly collaborative, business-facing role where you will take active ownership of architectural challenges, bring stakeholders together, remove blockers and create scalable approaches that can be applied across Technical Research and Development rather than solved site by site.

About the Role

Key Responsibilities

- Define and implement NORA-compliant solution architectures for Technical Research and Development laboratory and plant systems.
- Build and maintain inventories covering IT/OT systems, components, connectivity and vendor-managed assets.
- Shape Manufacturing Execution System and Historian integration with SPINE alongside Digital Labs and Digital Plant architecture.
- Translate infrastructure and security requirements into practical, reusable architecture patterns across laboratories and plants.
- Partner across infrastructure, security, quality, sites, vendors and delivery teams to turn architecture decisions into executable solutions.
- Create architecture decision records, diagrams, decision logs, migration-readiness views and reusable integration patterns.
- Ensure designs address regulatory impact, performance, supportability, operational continuity, monitoring and security by design.

Essential Requirements

- 10+ years of Information Technology experience, including at least 3 years in architecture or solution design.
- Bachelor's or Master's degree in Computer Science, Engineering or a related discipline.
- Strong experience across IT/OT architecture, manufacturing technology, laboratory systems, infrastructure or operational technology security.
- Understanding of operational technology network segmentation, industrial connectivity, identity models, endpoint standards and secure vendor access.
- Experience working within regulated or validated environments, ideally pharmaceutical, life sciences, laboratory or manufacturing.
- Knowledge of application programming interfaces, microservices, event-driven architecture and enterprise integration technologies.
- Familiarity with laboratory and manufacturing platforms such as Laboratory Information Management Systems, Electronic Laboratory Notebooks, Manufacturing Execution Systems, Historian and vendor-managed systems.
- Strong ability to translate technical and security requirements into clear architecture decisions while engaging effectively across business and technical stakeholders.

Desirable Requirements

- Architecture certification such as TOGAF, AWS Certified Solutions Architect, Microsoft Azure Solutions Architect or a comparable qualification.
- Experience creating architecture specifications, decision records, integration views, inventories and implementation guardrails.

Benefits and Rewards

In addition to your base compensation, Novartis offers a comprehensive benefits package designed to support your wellbeing, family and future. Spain-based associates can benefit from **22 working days of annual leave**, with the option to purchase up to **10 additional vacation days**, **18 weeks of parental leave**, health insurance, a defined-contribution pension plan, flexible benefits and access to wellbeing and Employee Assistance Programs. Additional local benefits and allowances may be available depending on eligibility and local policy.

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
€ 41,900.00 - € 77,700.00

部门
Operations

Business Unit
Development

地点
Spain

站点
Barcelona Gran V í a

Company / Legal Entity
ES06 (FCRS = ES006) Novartis Farmac é utica, S.A.

Functional Area
Information Technology

Job Type
Full time

Employment Type
Regular

Shift Work
No

```
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false }, sources: { options: {}, startTime: 0 }, disableUserCache: "true", plugins: {}, sources: { options:
{}}, startTime: 0 }, ui: { showCCButton: false, settings: { showQualityMenu: true, showSpeedMenu:
false }, components: { fullscreen: { disableDoubleClick: false } }, uiComponents: [ { presets:
['Playback', 'Live'], area: 'BottomBarRightControls', replaceComponent: 'Fullscreen', get:
kPlayer.ui.components.Remove } ] } }; // Check and add plugins only if they exist if
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(kPlayer.plugins["transcript"]) { config.plugins["playkit-js-transcript"] = { position: "right", // Default:
bottom;('left', 'right', 'top', 'bottom') to enable transcript. expandMode: "over", // Default:
alongside;('alongside', 'hidden', 'over') expandOnFirstPlay: false, showTime: true, downloadDisabled:
false, printDisabled: false, disable: true }; } if (kPlayer.plugins["preventSeek"]) {
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(kPlayer.plugins["share"]) { config.plugins.share = { disable: true }; } config.ui.uiComponents = []; if
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false, playlistEvents: false, castEvents: false } }; }
```

```
// Ensure the global player registry array always exists, regardless of embed type.
window.kalturaPlayerVideos = window.kalturaPlayerVideos || []; try { var thumbEmbedPromise =
```

```
thumbnailEmbed({config, mediaInfo: {entryId: "1dgfvmafo"}}); // thumbnailEmbed() returns a  
Promise that resolves with the player instance // when the user clicks the thumbnail. Use .then() to  
capture the player directly. thumbEmbedPromise .then(function(player) {  
window.kalturaPlayerVideos.push(player); // Notify kaltura_data_layer.js that a new player is ready so  
it can // attach custom event listeners immediately, regardless of when // the user clicked the  
thumbnail relative to page load. document.dispatchEvent(new CustomEvent('kalturaPlayerReady', {  
detail: { player: player } })); }) .catch(function(error) { console.error(error); }); } catch (e) {  
console.error(e.message) }
```

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