Senior Automation Engineer

Job ID
REQ-10059808

9   02, 2025

Egypt

As a Senior Automation Engineer, you will play a crucial role in overseeing the integration of shop floor equipment with IT (Information Technology) and OT (Operational Technology) systems across various domains. Your main responsibility will be to ensure the efficient flow of data from the shop floor to the enterprise level.

Working alongside a team of experts, you will be responsible for coordinating and implementing the necessary middleware setup to facilitate data transfer. This will involve defining data points based on specific business requirements and industry best practices. In addition, you will oversee the configuration of end-to-end interfaces and conduct thorough interface qualification processes. Your goal will be to establish and maintain operational stability throughout the integration process.

Your role will be instrumental in enabling the effective integration of shop floor equipment with IT and OT systems, ensuring accurate and reliable data availability at the enterprise level.

About the Role

Key Responsibilities

- Develop comprehensive IT/OT solution/service designs based on business requirements and their integration for a given project/use case, in alignment defined solution architecture, and create the detailed process designs necessary to operate the solution on a day-to-day basis.
- Provide operational support to manufacturing sites for global IT/OT solutions.
- Execute project-related activities in accordance with the lifecycle, budget, schedule, and compliance requirements.
- Collaborate with internal and external stakeholders to deliver technical solutions to manufacturing sites.
- Ensure designs produced adhere to the solution architectural design, roadmap, and support the development, execution, and operations of software/service.
- Facilitate peer reviews and obtain business sign-off for detailed designs.
- Consider the overall user experience and cost when designing and implementing solutions and services.
- Take accountability for adhering to Security and Compliance policies.
- Support internal and external audits, if necessary.
- Maintain stable operations for the implemented global IT/OT solutions
- Lead the business case development process and endorsement of prepared investments.

- Lead or contribute to the market evaluation and solution (IT/OT systems and equipment) selection process.

Essential Requirements

- 4+ years of technical experience in delivering global solutions to customers, preferably in the area of automation engineering in manufacturing processes.
- 4+ years of hands-on experience in automation technologies and software platforms (e.g., SCADA, Historian, MES).
- Knowledge of industry standards and protocols for communication and data exchange in manufacturing operations (e.g., OPC, MQTT).
- Understanding of manufacturing operations and processes.
- Project management experience, including planning, executing, and overseeing projects to ensure they are completed in a timely fashion and within budget
- Working experience in a GxP environment is an advantage.
- Leveraging digital technology / big data.

Desirable Requirements:

- Degree in Engineering (Dipl. Ing. / M. Sc. / B. Sc.) or equivalent.
- Fluent in English and proficient in the local language.

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Operations

Business Unit
CTS

Egypt

New Cairo

Company / Legal Entity
EG02 (FCRS = EG002) Novartis Pharma S.A.E

Functional Area
Technology Transformation

Job Type
Full time

Employment Type
Regular

Shift Work
No

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