NOVARTIS

DDIT OPS SM Automation Engineer Changping

Job ID
REQ-10087390
Sep 06, 2026
LOC_CN

About the Role

Major accountabilities:

• Support the daily operation, maintenance, monitoring and troubleshooting of site Automation and IT/OT software platforms, including AGV, AS/RS, WMS, MES interfaces, Vertical Integration and other manufacturing-related systems.

• Support data integration between production equipment, automation systems and higher-level software platforms to ensure accurate, complete and reliable data transfer.

• Understand and maintain system interfaces using common industrial and software integration technologies such as OPC UA, MQTT, REST API and Web Services.

• Use SQL to query, analyze and troubleshoot system database data in support of production issues, interface failures and data-related investigations.

• Apply basic software programming and scripting skills for data processing, interface testing, system diagnostics and development of simple automation tools.

• Support configuration and troubleshooting of system authentication and software-to-software communication mechanisms, including APIs, authentication tokens, service accounts and certificates.

• Support applications running on Windows Server, virtual machines and virtualized infrastructure, and perform basic troubleshooting using application logs, system logs and service status information.

• Analyze and troubleshoot technical issues across equipment, software platforms, interfaces, databases and servers, and work with relevant technical teams or vendors when additional support is required.

• Support software system configuration changes, version upgrades, testing, backup and recovery, and lifecycle maintenance activities.

• Maintain necessary technical documentation, including system configurations, interface specifications, data flows, database information and troubleshooting records.

Key performance indicators:

• Stable and reliable operation of assigned Automation and IT/OT software platforms.

• Timely troubleshooting and resolution of system, interface, database and application-related issues.

• Reliable and accurate data exchange between production equipment, automation systems and higher-level applications.

• Successful execution of system maintenance, configuration changes, upgrades, backup and recovery activities.

• Timely completion of assigned technical activities in accordance with agreed quality and schedule requirements.

• Effective support of manufacturing operations with minimal system-related downtime.

• Quality and completeness of technical documentation, system records and troubleshooting information.

• Compliance with applicable site IT/OT, security and quality requirements.

• Positive feedback from manufacturing and technical stakeholders.

• No critical findings attributable to assigned system support and maintenance activities.

Work Experience:

• Minimum 3–5 years of relevant experience in automation engineering, IT/OT systems, manufacturing software platforms or industrial system integration.

• Knowledge of automation technologies and software platforms (e.g. SCADA, DCS, Historian, MES)

• Mandatory basic knowledge of PLC-based automation systems, including control architecture, I/O, tags, alarms, industrial communication and basic troubleshooting. Hands-on experience with Siemens, Rockwell or equivalent PLC platforms is preferred.

• Knowledge of industry standards and protocols for communication and data exchange in manufacturing operations (e.g. OPC, MQTT).

• Working knowledge of relational databases and SQL for data query, analysis and troubleshooting.

• Basic programming or scripting capability, such as Python, PowerShell, C# or equivalent.

• Basic understanding of Windows Server, virtual machines and system troubleshooting.

• Understanding of manufacturing operations and processes.

Role Requirements

Division
DIV_TO
Business Unit
Information Technology
Location
LOC_CN
Site
Changping County (Beijing)
Company / Legal Entity
CN06 (FCRS = CN006) Beijing Novartis Pharma Co., Ltd
Functional Area
FCT_TO
Job Type
Full time
Employment Type
Regular
Shift Work
No
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