

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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