

A-S Medication Solutions, LLC seeks IoT Systems Administrator in Fremont, NE.

JOB SUMMARY

The IoT Systems Administrator is responsible for managing, securing, and optimizing Internet of Things (IoT) devices, networks, and infrastructure within the organization. This role ensures seamless integration of IoT ecosystems, maintains reliable connectivity, and troubleshoots performance issues. As a member of the IT Infrastructure and Operations Team, the IoT Systems Administrator provides technical support, implements automation, and enhances system reliability. This position requires on-site presence at the Fremont, NE manufacturing plant from 7:00 AM to 4:00 PM, Monday through Friday, and participation in occasional after-hours maintenance.

Essential Functions

IT Support

- Provide on-site IT support at the Fremont facilities (Airport Road, PEN, and CEPH offices) during business hours.
- Participate in occasional on-site after-hours maintenance
- Provide manufacturing-related emergency IT support on-site within 30 minutes
- Participate in the incident triage rotation.
- Resolve incident tickets assigned to them.
- Complete project tasks and other duties as assigned.

IoT Device Management

- Deploy, configure, and maintain IoT devices across the enterprise.
- Monitor device health, performance, and ensure firmware/software updates are applied as needed.
- Implement and manage IoT device provisioning and authentication.
- Develop automation scripts to streamline device management.

Network Administration & Connectivity

- Ensure reliable and secure connectivity between IoT devices, cloud platforms, and enterprise networks.
- Configure and manage communication protocols for IoT devices.
- Troubleshoot network and connectivity issues affecting IoT deployments.
- Optimize network performance for IoT traffic to reduce latency.

Cloud & Edge Computing Integration

- Configure and maintain IoT cloud services within the established infrastructure.
- Deploy and manage edge computing solutions to process data closer to devices.
- Work with Infrastructure Engineering to ensure proper provisioning and scaling of cloud resources for IoT workloads.
- Develop and optimize cloud-based dashboards for real-time IoT monitoring.

System Monitoring & Performance Optimization

- Deploy monitoring tools to track IoT system uptime and performance.
- Analyze logs and system metrics to optimize IoT deployments.
- Develop alerts and automated responses to IoT system failures.

Software & Firmware Updates

- Schedule and manage over-the-air updates for IoT device firmware.
- Collaborate with developers to test and deploy firmware patches.
- Prevent downtime by ensuring seamless update rollouts.

Automation & Scripting

- Develop and maintain automation scripts using Python, PowerShell, or Bash.
- Automate device provisioning, monitoring, and troubleshooting workflows.
- Utilize infrastructure-as-code tools for managing IoT deployments.

Documentation & Support

- Provide technical support for IoT-related issues to internal teams.
- Conduct training sessions on IoT best practices and troubleshooting.

Collaboration & Continuous Improvement

- Work with cross-functional teams, including IT, engineering, and operations.
- Stay updated on emerging IoT technologies and industry trends.
- Proactively improve IoT infrastructure to enhance efficiency and reliability.

MINIMUM REQUIREMENTS:

- Bachelor's degree (foreign equivalent accepted) in Computer Science, Information Technology, or a related field.
- Ability to manage and troubleshoot IoT devices and networks.
- Strong understanding of network protocols (TCP/IP, DNS, VPN, MQTT, etc.).
- Familiarity with cloud services and edge computing environments.
- Proficiency in automation scripting (Python, PowerShell, Bash).
- Knowledge of system monitoring tools and best practices for IoT performance optimization.
- Strong problem-solving skills and ability to work under pressure.
- Excellent communication and collaboration skills.
- Ability to manage time effectively and work independently.
- Ability to provide manufacturing-related emergency IT support on-site within 30 minutes.

*Current employees eligible for referral bonus as per company policy with regard to this position.

Email resume to info@a-smeds.com.