



Industrial IoT DevOps Engineer

Job Description

Role	IIoT DevOps Engineer
Commitment	Full-time role
Salary	Competitive depending on experience, plus pension and performance bonus.
Employer	Ionix Advanced Technologies Ltd. (www.ionix.at)
Reports to	Electronics Engineering Lead
Location	This role is based on site in Pudsey, Leeds, West Yorkshire, with occasional customer and partner visits in the UK and overseas. A driving licence and valid passport are required. There is no on-call requirement.

Summary:

Ionix Advanced Technologies develops high-performance piezoelectric devices and materials designed to operate reliably in the world's most extreme environments. Our proprietary sensor and transducer technologies enable advanced condition monitoring, defect detection, and process optimisation in industries including energy, aerospace, manufacturing, and nuclear.

With a proven track record in ultrasonic sensing for high-temperature and high-vibration applications, Ionix is now expanding its portfolio to include connected monitoring solutions for real-time industrial insight. Built on our unique piezoelectric platform, these innovations support the growing need for digital, distributed, and long-term monitoring in critical infrastructure - enabling the next generation of data-driven maintenance and asset integrity.

Purpose:

Ionix is seeking an IoT Systems Engineer to support the deployment, maintenance, and operation of secure, connected monitoring systems for harsh industrial environments. You will deliver cloud and on-prem solutions that connect ultrasonic sensors, including LoRaWAN-based, to provide actionable asset data to end users.

This hands-on role involves system integration, device onboarding, data flow management, and managing live customer instances. You will work closely with internal engineering teams and external partners to support real-world deployments in sectors including energy, chemicals, and manufacturing, with a focus on long-term corrosion monitoring and defect detection. Your focus will be developing NodeRed flows which ingest and output data in a range of IOT and industrial formats. You will also be responsible for connecting IOT devices, including configuration of on gateway LoRaWAN LNS using Chirpstack.

In year one, you will support a pilot with around 10 customers and up to 100 devices, building processes that will scale to thousands of devices in future years.



This is a varied and practical role that offers the opportunity to take ownership of system integration and deployment activities. It suits a technically capable, proactive engineer who works well independently and is confident operating in demanding, safety-critical environments.

Applicants must have the right to live and work in the UK.

Key Responsibilities:

- Deploy, integrate, and support connected devices to Thingsboard and customer systems using Node-RED, including developing new flows and integrations.
- Connection of IOT devices including configuration of on-gateway Chirpstack LoRaWAN LNS and deployment of connected devices.
- Assist with Linux VMs, Docker, and basic firewall rules under an established runbook (e.g. Azure NSGs, Cloudflare Access) to ensure secure deployments.
- Ensure secure and reliable device-to-cloud data flow using HTTP/MQTT, APIs, and modern industrial protocols (e.g. Modbus-TCP, OPC-UA).
- Commission and troubleshoot devices, gateways, and networks in the field, including validating LoRaWAN connectivity.
- Collaborate with engineering and customer support teams to onboard new devices and customers smoothly, and provide knowledge transfer through concise documentation and runbooks.
- Support the maintenance and improvement of dashboards and workflows in ThingsBoard.
- Provide light support for a small legacy IIS/SQL Server application (minimal time commitment, basic configuration only).

The Candidate

Essential skills and personal attributes:

- Use of Node-RED for building and managing data flows.
- Experience with LoRaWAN sensors and Chirpstack (or similar) LNS platforms.
- Hands-on experience deploying and supporting IoT or web-connected systems.
- Familiarity with industrial protocols such as Modbus-TCP and OPC-UA.
- Basic firewall/security administration (e.g. Azure NSGs, VPN, or Cloudflare rules).
- Basic Linux and Docker administration.
- HTTP/MQTT integration and JSON payload handling.

Preferred Qualifications

- Experience editing dashboards or building custom widgets in ThingsBoard (PE or CE).
- Practical use of PostgreSQL.
- Scripting in JavaScript (or similar); willing to learn TBEL.
- Exposure to IIS and SQL Server.
- Good problem-solving and communication skills.



Ionix Advanced Technologies

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Benefits

- Competitive salary, pension and performance bonuses.
- Comprehensive health and wellness benefits including Cycle to Work Scheme, Holiday Buy-back and First Friday Half Days monthly, with increasing leave on years of service.
- Access to Electric Car Scheme
- Opportunities for professional development and career growth.
- Collaborative and innovative work environment.

To apply for this role, please send your CV and covering letter to careers@ionix.at with the reference "IOT112025"