Job Specification
Microsoft Azure IoT/DevOps Engineer

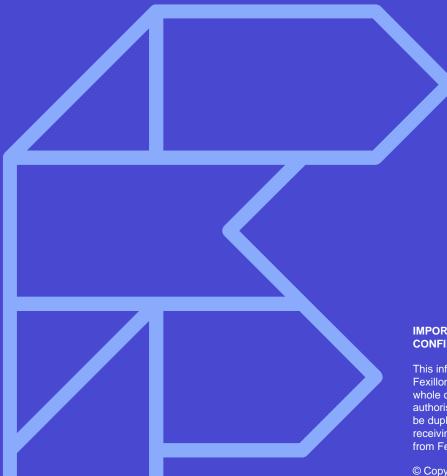**Company**
Fexillon

Contact
careers@fexillon.com

Date
15th Oct 2024

Position – Azure IoT/DevOps Engineer

Company Profile

Fexillon Ltd are the leading specialists in managing digital information for the whole asset lifecycle. The company manage quality approved information on projects for blue chip clients, across numerous sectors, including the pharmaceutical, data centre, healthcare, educational and architectural industries. Fexillon Ltd is an award-winning company with over 20 years in business.

Company Culture

Organisational culture is a pattern of shared values and beliefs, giving members of the organisation meaning. Fexillon Ltd has a unitarist and collaborative culture, where the company and its teams share the same goals and objectives. Our people maximise their potential through company leadership and learning models.

Development of people is a key element of a leadership organisation. The Company Directors create a shared vision, inspiring all the team to believe in what they can become, as well as encouraging them to participate in the formulation of company strategy. This provides people with a platform for innovation and creativity.

A learning organisation continually transforms and promotes the learning of all its members. The Company believes in transferring knowledge quickly and efficiently throughout the organisation. Each employee has an individual education, training & development programme. Employees are participants not observers

Fexillon Ltd is a collective powered by diversity and inclusion. It is a demanding family like business environment. The Company places a significant emphasis on sustainability, social responsibility and assisting community initiatives.

Company HR Mission

Empowering people to maximise their professional and personal potential in a challenging business environment.

Role Profile:

We are seeking a talented and versatile Engineer to join our Smart Buildings team. As a vital member of our development team, you will collaborate closely with UI/UX designers, QA engineers, and other stakeholders to deliver high-quality product updates and develop new products. Reporting to the Smart Buildings Lead, your role will involve providing technical support for various products and the connected IoT environment, as well as shaping hardware integration, development and deployment strategies.

Key Role Responsibilities:

- **Product Development:**
    - Collaborate with the development team, UI/UX designers, and QA teams to deliver high-quality product updates.
    - Take part in developing new products as part of our growing team, ensuring alignment with project requirements and timelines.
    - Enhancement of Digital Twin platform to provide wider support and feature enrichment.

- **IoT Development & API Support:**
    - Utilize your IoT experience to make data optimizations and improvements to platform and services.
    - Expand and enhance APIs to onboard new IoT hardware, sensors and devices.
    - Provide API support and integration with a wide range of IoT devices, ensuring smooth integration and functionality.
- **Technical Debt Cleanup:**
    - Work with the team to clean technical debt, identifying and addressing areas for improvement in the codebase to enhance overall system performance and maintainability.
- **Client Co-ordination:**
    - Work with the fulfilment team to create installation strategies, plan data flows and ingestion paths to bring life to the Digital Twins.
    - Co-ordinate project realization of ESG goals and wellbeing standards e.g RESET, BREEAM, WELL, LEED etc.
    - Liaise with clients and contractors to implement robust data links with BMS and EPMS systems using your IoT experience in line with industry best practices.
    - Craft report specifications with PowerBI / Fabric

Essential Skills & Experience:
- Core technical skills in IoT infrastructures, MQTT, MODbus, BACnet, BMS systems.
- Good understanding of Digital Twins and related data systems.
- Excellent understanding of the Azure ecosystem, including hands-on experience with Azure DevOps, GIT, EventBus, IoTHub, DataExplorer , resource groups etc.
- Experience in APIs (REST/JSON) development, ensuring scalability, reliability, and security of API endpoints.
- Proficient in Unit and Integration testing, with a good practice of test automation to ensure software quality.

Desired & Beneficial Skills:
- Experience integrating with Niagara, Siemens, ABB etc. BMS systems
- Understanding of basic protocols RS485, UART, EnOcean, LoRaWan, ProfiNET
- Understanding of CyberSecurity principles and best practices.
- Experience with Azure pipelines (DevOps), facilitating continuous integration and deployment processes.
- Understanding of BIM data and its role in Digital Twin development
- Experience in AI and Machine Learning (preferably in Azure), leveraging these technologies to enhance product capabilities.

Salary & Benefits
The role comes with a very competitive salary and an extensive suite of benefits. Salary will be dependent on relevant experience. This is an excellent opportunity for the right candidate to move to an innovative, successful business with ambitious growth plans. If the role excites you and you share our values, we would be delighted to hear from you. Please send your CV to careers@fexillon.com

Fexillon is an equal opportunities employer.

Job Specification

Commercial in Confidence — not to be disclosed to third parties.

2