

## **Embedded Industrial IoT Engineer**

“AIVHY is looking for a passionate Embedded Industrial IoT Engineer who loves developing and deploying IIoT Devices, suitable for industrial environments, based on the principles of Industrial IoT and Industry 4.0.”

AIVHY Ltd is an internationally operating technology and innovation company based in Malta, eager to shake the world of Operational Technology at its foundations. AIVHY's services and solutions bring achievable innovation to the industrial environment, ensuring value creation aligning with business goals through the principles of Industry 4.0 & Industrial IoT.

AIVHY is looking for a passionate Embedded Industrial IoT Engineer who loves technology and gets energy from creating amazing real-world solutions based on Industry 4.0 and Industrial IoT. Do you love technology as much as we do, always strive for perfection, and have both expertise & experience in the industrial technical environment, then we would like to meet you.

**Number of Positions:** 1

**Contract Type:** Indefinite

### **Job description**

Your task will be to develop and implement reliable, scalable, and cyber-secure IIoT & Industry 4.0 based digitalization and software solutions for companies, typically manufacturers and companies relying on heavy machinery. You will be working with your team members under the lead and guidance of the solution architect to achieve the best possible solution for the client.

Customer satisfaction and high quality are the top priorities for AIVHY, and with that, part of your responsibility.

#### **Tasks:**

- Design, develop, test, implement, and support digitalization and IIoT software solutions for industrial applications.
- Analyze and process data from IIoT devices to generate actionable insights and recommendations.
- Ensure cyber security, safety, and compliance with industry standards.
- Provide technical support to end-users.
- Stay up to date with the latest trends and advancements in digitalization, IIoT, and related technologies.
- Occasionally work abroad.

### **Requirements**

#### **Skills & experience**

##### **Soft skills:**

- Highly motivated.
- Love technology.
- Precise & pushing for the highest quality.
- Able to receive feedback.
- Fully capable of the written and spoken English language.
- Ability to work independently with minimal supervision.
- Excellent problem-solving and teamwork skills.
- Not a 9-to-5 mentality.

Hard skills & certificates:

- Bachelor's or master's degree in engineering, computer science, or a related field.
- 2 years or more experience in a relevant position.

Knowledge of relevant concepts:

- Cyber Security for IIoT devices
- Understanding of industrial automation concepts, like PLCs, VFDs, Electrical signals.
- Industry 4.0
- Industrial IoT

Experience with:

- IIoT and Linux Expertise:
  - Proficiency with Linux, including Yocto-based systems.
  - Experience with over-the-air (OTA) updates.
  - Familiarity with ARM processors and x86 architectures.
  - Working with existing single-board computers.
- Programming and Software Development:
  - Strong programming skills in Python and C++.
  - Experience with Linux-based environments and Docker containerization.
- Electrical Experience:
  - (Industrial) communication, including Modbus TCP & RTU, PROFIBUS, PROFINET, CAN-bus, RS232 and RS485
  - Understanding of Ethernet and TCP/IP protocols, including OPC UA and S7-Online.
- Experience with I/O systems:
  - Digital signals.
  - Analog signals.
- Basic electrical engineering principles, including working with 24V DC to 230V AC systems.
- Familiarity with energy metering systems.
- Safe working practices in industrial environments.

**Training provided**

Training will be provided as part of the onboarding and the first 3-6 months of the employment as part of the specific vacancy. In parallel we draft after the probation time a Personal Development Plan for the employee.

**Any assistance with accommodation/relocation**

Usually we do not provide financial support for accommodation. Other financial support will be discussed on the specific requirements of the potential candidate. Obviously, we do include our local network to support the candidate with settling etc.

**Any other benefits**

A health insurance is part of our contract after probation period. Secondly, we provide flexible working hours, hybrid and flexible office hours/locations.

**Salary**

35k-50k

**How will the interviews be held**

- First meeting is a 30-minute online introduction meeting.
- Second meeting is a 60-minute online technical meeting, and we provide an assignment for the potential candidate.
- Third meeting is an (online) presentation of the assignment by the candidate and finalising of the interviews.

**To apply**

CVs and a covering email are to be sent by email to [eures.recruitment.jobsplus@gov.mt](mailto:eures.recruitment.jobsplus@gov.mt) and should be written in English. Please quote the vacancy name and number in your email.