



Firmware/Embedded Engineer

About Us: Ocean Information Services Ltd (OISL) is a leader in the development of smart wireless subsea products and systems designed to make a positive impact on the net zero agenda. Our innovations include Subsea IoT-to-cloud devices designed to enable automation and autonomy in coastal and offshore environments, and Subsea Data Centres incorporating innovations in wireless technology to dramatically reduce the environmental footprint of the Cloud.

Job Purpose: The applicant will develop the firmware that controls the Subsea IoT-to-cloud devices, as well as support the development of subsea data centre infrastructure.

Location: OISL has established a multi-disciplinary R&D centre in Edinburgh and are expanding.

Working Hours: We work a flexible, hybrid office/home, 35 hour 4-day week.

Reports To: Engineering Manager

Direct Reports: None

Key Responsibilities:

- Planning, developing, implementing, and testing firmware.
- Working to ISO9001 throughout the firmware development life cycle.
- Creating and maintaining accurate documentation.
- Performing design reviews at all stages of the development process.
- Working as part of a highly multi-disciplinary design team within the Agile SCRUM framework
- Manage OISL' relationships with external contractors and partners for the development of hardware, software, and firmware solutions.

Knowledge, Skills and Experience

QUALIFICATIONS	Essential	Desirable
Minimum of a bachelor's degree in electronic engineering or related field	X	
SKILLS		
Proficient in C/C++	X	
Proficient in Python	X	
Proficient with version control software	X	
Good verbal and written communication skills	X	
Ability to work independently and within a close-knit team	X	
EXPERIENCE		
Minimum of 5 years of experience in firmware development	X	
Experience developing firmware for Texas Instruments microcontrollers		X
Experience of Wireless communications, particularly BLE, WiFi		X
Experience of Low power edge analytics		X
Knowledge of cloud computing platforms, particularly Azure		X
Experience in working to an ISO9001 standard		X
Experience in managing external contractors		X
Experience in working within the Agile SCRUM framework		X