



Job Title: Embedded Firmware Engineer

Department: Engineering

Reports Direct: Principal Embedded Firmware Engineer

Location: Peterlee

Job Purpose

- The post holder is a member of the Engineering team, providing design and development of Embedded Firmware solutions for a range of electronic equipment.
- They are responsible for the research, design, development, simulation, testing and evaluation of embedded firmware products.
- They will deliver firmware projects on time, within budget, and that meet the specification required for the project.

Responsibilities

- The development and validation of electrical and electronic systems in NPD/NPI projects.
- Work closely with other engineering disciplines, especially electronic hardware, to develop modern, innovative, and practical solutions.
- Collaborate with internal and external partners as required in performance of their roles and responsibilities.
- Support Engineering Management in recording and reporting design progress, and delivery to quality.
- Support Product Management in Requirements Capture.
- Support for system integration during development and deliver

- production ready solutions.
- Prepare and present designs to other members of the Engineering team and at design reviews.
- Follows departmental software development processes and provide and maintain relevant documentation.

Attend training as required and develop skills and knowledge to keep up to date with changes and development in relevant technology.

KPIs

- Knowledge and experience of embedded products in the Electrical Test & Measurement and Instrumentation sector.
- Experience of Model-Based Design (MBD) approaches and tools, particularly the Mathworks/Simulink toolchain.
- Experience of software development to MISRA C or equivalent coding standards and guidelines.
- Knowledge and Experience of integration of electronic devices to IOT/Telematic systems.

Knowledge, Skills, and Experience Required

- Experience of embedded firmware development, deployed onto and interfacing with bespoke hardware.
- Experience of C/C++ languages in real-time embedded systems.
- Experience of software development lifecycle within an embedded environment.
- Knowledge of industrial communications protocols e.g. CAN.

Qualifications

- Degree qualification in a relevant Engineering or Science-related discipline.

15-18 Bracken Hill, South West Industrial Estate, Peterlee, County Durham, SR8 2SW, United Kingdom
t: +44 (0) 191 586 3511 | f: +44 (0) 191 586 0227 | e: sales@seaward.com
seaward.com

- Knowledge and experience of embedded products in the Electrical Test & Measurement and Instrumentation sector.
- Experience of Model-Based Design (MBD) approaches and tools, particularly the Mathworks/Simulink toolchain.
- Experience of software development to MISRA C or equivalent coding standards and guidelines.
- Knowledge and Experience of integration of electronic devices to IOT/Telematic system.

If you want to be a part of our team please send your CV and a covering letter by e-mail to wendyc@seaward.com

15-18 Bracken Hill, South West Industrial Estate, Peterlee, County Durham, SR8 2SW, United Kingdom
t: +44 (0) 191 586 3511 | f: +44 (0) 191 586 0227 | e: sales@seaward.com
seaward.com

Registered office: Seaward Electronic Ltd, 15-18 Bracken Hill, South West Industrial Estate, Peterlee, SR8 2SW, United Kingdom.
Registered in England No: 01674384 | VAT REG: GB314 1089 92