EMBEDDED SOFTWARE DEVELOPER

⚲ LEEDS, UK

Delivering reliable solutions for complex subsea challenges, everyone at CSS plays an essential part in maintaining critical offshore connections for oil and gas operators worldwide.

We are looking for talented individuals to join the CSS team!

JOB ID #0116

RESPONSIBILITIES & TASKS

- Development of complete embedded software solutions
- Understanding of control algorithms for switched-mode power electronics
- Design of real-time high-reliability embedded systems
- Work with electronics engineers on board-level circuit design and debugging
- Strong working knowledge of the following:
  - *C/C++*
  - *Bare metal, time-critical software design*
  - *Comms protocols including UART, SPI, RS-485, CAN, TCP/IP, MODBUS TCP*
- Good understanding of the following:
  - *IDEs and toolchains for embedded development*
  - *Real-time debugging tools*
  - *MATLAB/Simulink*
  - *Use of electronic test equipment including PSUs, oscillo-scopes, DMMs*
- Experience of the following tools and utilities would be useful but not essential:
  - *Python*
  - *Git version control*
  - *Atlassian toolset*
  - *Unit testing*
- Maintenance of in-house codebase in C/C++ for PIC24
- Any other duties as required by the Chief Electronic Engineer

- Work in a manner that protects the health, safety and welfare of yourself and others
- Actively participate in company improvement initiatives
- Adhere to all company policies and procedures

REQUIRED BACKGROUND & SKILLS

- Experience of bare-metal coding on ARM32, PIC32, dsPIC33, TMS320 or similar
- Qualified to Degree level BEng / BSc (Hons) or higher, or equivalent
- Minimum of 3 years relevant experience in a similar position or industry
- Familiar with C/C++, version control systems, MS Office
- Experience of high-voltage equipment in research and development is preferred

👤 PERSONAL ATTRIBUTES

- Ability to work alone as well as an integrated part of a small team
- Strong interpersonal and technical communication skills
- Demonstrate flexibility and adaptability
- Willing to self-develop and learn new skills
- Ability to travel abroad to other CSS and customer sites as required

JOIN OUR TEAM!

APPLY FOR THIS VACANCY BY VISITING CSS CAREERS AND SUBMITTING YOUR CV USING THE APPLICATION FORM AT THE BOTTOM OF THE PAGE

CONNECTOR SUBSEA SOLUTIONS

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