

Experienced Embedded Software Engineer

Smart Fibres is a subsidiary of Halliburton one of the world's largest providers of products and services to the energy industry. Smart Fibres is pre-eminent in the field of fibre-optic sensing specialising in Fibre Bragg Grating systems. The Company already has a strong international customer base and now wishes to further expand its activities in key fields.

We are currently looking for an experience embedded software engineer who will support the company growth by strengthening our Software team, especially towards the delivery of our new products.

Primary Responsibilities:

- Developing embedded software in the C programming language for the ARM based SBCs / SOMs in our range of fibre optic FBG interrogators.
- Detailed design, writing, testing, debugging, documentation and ongoing support of embedded software.
- Detailed design, writing, testing, debugging and documentation of PC application software for customised application software for bespoke customer projects and software for driving in-house test equipment.

Essential Requirements:

- 3 or more years writing embedded C and embedded Linux.
- Experience of embedded Linux device drivers.
- Experience of working within a recognised structured design process.
- Degree or equivalent qualification in an Engineering or Science discipline.
- Highly numerate, computer literate.
- Good interpersonal skills, effective team player.
- Fluent English speaker and already resident in the UK.

Desirable Characteristics:

Knowledgeable of / experience with:

- Open embedded / Yocto embedded build system.
- Developing PC based applications interfaces in LabVIEW or any web design language (HTML, CSS, JavaScript, etc.).
- PCI express.
- IP network stack.
- Industrial Field buses, e.g. CANbus, Modbus, Profibus.
- FPGA / VHDL development.
- Electronic design.
- Optics or photonics.
- Flexible to travel to customer locations, occasionally international.

The Ideal Candidate:

The ideal candidate will have at least 3 years' experience developing embedded C for a Linux operating system using a structured design process; be comfortable working both independently or as part of a small team and be looking to develop their career over the next few years.