Senior Firmware Engineer, Cambridgeshire, £55K - £60K

An Innovative manufacturer supplying products globally, is looking for a Senior Firmware Engineer to continue their success and ambitious growth plans. You will possess a degree in electronics/computer Science or related subject with excellent C programming with five years plus commercial industry exposure on firmware development for high volume consumer electronics or similar calibre.

Demonstrate with a proven track record of microcontrollers, best practices for embedded software architecture design and developing complex software in Embedded C to a high standard (bare-metal and RTOS) on ARM processors.

You will have knowledge of low-level firmware-hardware architecture and familiarity with ARM Cortex M series processors with experience debugging tools with ARM debuggers, analysers and oscilloscopes.

Key role and responsibilities include:
- Maintain, expand and document already existing complex firmware
- Design, implement and debug new firmware for embedded devices
- Capture components of an embedded system from a high-level overview, translating to low-level requirement specifications
- Support hardware, software and mechanical teams in the implementation and test of new projects
- Provide full lifecycle support
- Develop and tune control algorithms
- Participate in cross team system level architectural/design/interface discussions and reviews to ensure the appliances operate as intended and comply with the design verification plan
- Investigate and solve complex functional issues

Your skills, attributes and ability to:
- Design and implement embedded firmware from scratch
- Write efficient, readable, and reusable C code
- Write device drivers for microcontroller peripherals
- Write embedded RTOS applications
- Write control and signal processing algorithms
- Read electronic schematics
- Communicate concisely
- Plan and make decisions under tight deadlines in a fast-paced environment