

Senior Embedded Software Engineer

DEPARTMENT: R+D

ABOUT THE ROLE:

As a Senior Embedded Software Engineer, you will be responsible for embedded code development with a small team of hardware and firmware specialists. Primarily focussed on the full code life cycle including, design, implementation and test of key enhancements. A robust understanding of microcontroller hardware and architectures is essential with a familiarity with microchip, ST Microelectronics devices and a keen interest in programming best practices. Experience of 'Bare Metal' C programming is essential and C#/Python programming is desirable. You will have demonstrable experience in source control practices (GIT knowledge is desirable) with an understanding of electronic test equipment (scopes & meters) and ability to interpret circuit diagrams. Experience in i2C, SPI, wireless protocols, PWM, ADC and UART is desirable with good development, documentation, release and revision management skills.

RESPONSIBILITIES:

- Produce and maintain detailed specifications, objectives, requirements and documentation throughout a development cycle.
- Creation of firmware for new and existing products in accordance with the Numatic Coding standard.
- Create applications to be run on a PC that aid development of the products that contain firmware.
- Investigate product issues without prejudice and identify possible solutions, these solutions may not be firmware.
- Work within a workshop or test laboratory environment as required.
- Work closely with the team ensuring that projects remain on track and that objectives are clear.
- Use creativity and influence; represent your team with other internal and external stakeholders to ensure the interests of area of specialism are properly represented and promoted. e
- Work closely with immediate team to influence and guide the work of other employees.
- Provide production support as required.
- Assembly of development units as required.

ABOUT YOU:

- Degree level in Electronics/Computer Science or relevant knowledge through work experience.
- Must have a minimum of 5 years work history as a Firmware Engineer writing code in C.
- Strong understanding of circuit diagrams.
- Comfortable working with electronic test equipment (Scopes, Electronic Loads, waveform generators...)
- Experience with DC motor control desired.
- Excellent communication skills with ability to communicate verbally, written and via presentation according to the audience.
- Some experience with C#/Python would be useful but not essential.
- Able to work safely on high voltage (mains 240V) systems as required.
- Line management or coaching experience would be an advantage.
- Strong IT skills including Word, Outlook, Excel and PowerPoint.
- Flexibility of working hours, including additional or unsocial hours as required.
- Available for occasional travel within or outside of the UK.
- Ability to work independently and as part of a team, using own initiative.
- Commitment to Numatic International's visions and values.

SALARY: £40,000 - £50,000 p.a DOE

How to apply: Please send your CV and Covering Letter to jobs@numatic.co.uk