

# Embedded Software Engineer at Numatic International Ltd, Chard

## The Opportunity

As an Embedded Software Designer, you will be responsible for embedded code development with a small team of hardware and software specialists. Primarily focussed on the full code life cycle including, design, implementation and test of key enhancements, you will also review and implement customer requests for feature 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 C# programme is desirable. You will have knowledge in low cost, high volume and/or lower volume, higher margin product development and have demonstrable experience in source control practices with an understanding of electronic test equipment (scopes & meters) and ability to interpret circuit diagrams. Experience in I2C, SPI, Bluetooth, wireless protocols, PWM, AD and UART is desirable with good development, documentation, release and revision management skills.

## Responsibilities

- Act as a point of contact for information relating to design activities, within area of specialism, communicating progress and requirements to relevant stakeholders and internal managers.
- Work within a workshop or test laboratory environment as required.
- Produce and maintain detailed specifications, objectives, requirements and documentation throughout a development cycle.
- Produce detailed designs to meet project/task requirements, validating design performance, requirements and complete system integration.
- Provide technical input into all aspects of design work within area of specialism, providing technical advice to junior managers.
- Engage with internal specialists, to ensure an optimised solution is developed to support continuous improvement through innovation, commercialisation and business need.
- Ensure attention to detail, rectification of design error and cost control are considered when engaged on design work.
- 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.
- Fully implement all changes to processes, methodology, environment and practice within the department in a positive supportive manner.
- Handle one-off tasks or assignments.
- Work closely with immediate team to influence and guide the work of other employees.
- Display excellence in communication across area of specialism and wider Numatic International teams.
- Develop open working relationships in line with Numatic International's values and work collaboratively with internal colleagues and external stakeholders.
- Advise of developments within area of specialism through talks and visits to internal and external stakeholders.
- Demonstrate role model behaviour with regards to colleague engagement, ensuring personal visibility and accessibility.
- Deliver cost effective, high value solutions in line with business requirements.
- Work within the budget limit set, raising any relevant issues as necessary.

## About you

- Degree level in a technical subject or relevant knowledge through work experience.
- Desirable; trained in Lean and Six Sigma techniques.
- Robust knowledge and experience in area of specialism.
- Knowledge of standard production and manufacturing techniques.
- Knowledge in model building.
- Experience with interacting with outside suppliers and across disciplines and teams.
- Demonstrable experience of design work in product development and concept to production.
- Experience with lower volume, higher margin product development or low cost, high volume.
- Knowledge in the use of 3D CAD packages appropriate to area of specialism and of document control.
- Ability to provide technical guidance, regarding all aspects of design work within area of specialism.
- Strong prioritisation skills with ability to manage competing and conflicting demands.
- Ability to work under pressure; be results driven.
- Robust creativity with attention to detail.
- Ability to work independently and as part of a team, using own initiative.
- Excellent communication skills with ability to communicate verbally, written and via presentation according to the audience.
- Good influencing skills.
- Strong IT skills including Word, Outlook, Excel and PowerPoint.
- Flexibility of working hours, including additional or unsocial hours as required.
- Occasional travel within or outside of the UK.
- Commitment to Numatic International's visions and values.

Salary: £35,000- £43,000pa

How to apply: Please send your CV and covering letter to [jobs@numatic.co.uk](mailto:jobs@numatic.co.uk)

Closing Date: 04.02.2022