JOB DESCRIPTION

Job Role	Embedded Software Engineer
Location	Role based at Hypermotive's Engineering Office in Lutterworth, Leicestershire Occasional periods working offsite within the UK, EU or worldwide.
Reports to	Chief Engineer – Software and Controls

The role

Hypermotive are an innovative, industry respected and rapidly growing engineering and manufacturing business in the eMobility sector. With a reputation for excellence, we are recognised as leaders in the supply of Electric Vehicle and Fuel Cell System integration and Wiring Systems design and tier 1 manufacturing operating across multiple sectors. A highly capable, diverse, and dynamic team, we offer a fun, fast-paced working environment with a strong commercial focus

As a key member of the Hypermotive Software and Controls Team the Embedded Software Engineer will be responsible for:

- Development of embedded software for a range on technologies and products relating to electric, fuel-cell and hydrogen powertrain systems, for the next generation of zero-emissions vehicles
- Designing, developing and maintaining embedded software for microcontrollers in C
- Writing clean, efficient and maintainable code to industry best practices
- Working with low-level software drivers and bootloaders
- Collaborating with MATLAB based Control/Software engineers to understand and implement project requirements
- Facilitating knowledge transfer within a small multi-disciplinary software team
- Participating in code reviews and provide constructive feedback

Education and Skills Requirements

Education:
- Educated to degree level in software engineering or other relevant discipline is essential
- 5+ years' experience in relevant role and industry desirable

Skills & Experience Required:
- Proficiency in C
- Experience of working with microcontroller base software
- Experience of bootloader development
- Experience of communication protocols, such as CAN
- Able to write clean, efficient and maintainable code to industry best practices
- Ideally worked in a product development environment
- Facilitate knowledge transfer within a small multi-disciplinary software team
- Experience in participating in code reviews and provide constructive feedback
- Experience with version control practices
- Ability to undertake thorough testing and evaluation to ensure robustness
- Ability to work unsupported with a pragmatic approach to problem solving

- Agile software development processes and management tools such as JIRA

Personal attributes:

- Flexible, can-do attitude
- Good written and verbal communication skills
- Process-driven approach
- Self-motivated with a proactive approach to work
- Adaptable and able to multi-task across several projects at one time

Hypermotive can offer:

- Opportunity to work on the next generation of electric and fuel cell vehicles – play a key role in helping to decarbonise our transport and power systems
- Engaging, varied and challenging work across a range of sectors
- Competitive rates of pay and generous holidays
- Highly flexible working arrangements - We offer flexible working within core business hours
- Pension scheme
- Healthcare scheme
- A culture which recognises contribution and encourages innovation and creativity
- Strong industry knowledge, expertise and a reputation for excellence