

JOB DESCRIPTION

Job Role	Software Engineer (MATLAB/Simulink)
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	
<p>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</p> <p>As a key member of the Hypermotive Software and Controls Team the Software Engineer will be responsible for:</p> <ul style="list-style-type: none"> • Leading the development of 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 a clean-sheet software project using MATLAB/Simulink toolchain • Developing clean, efficient and maintainable models to industry best practices. • Facilitating knowledge transfer within a small multi-disciplinary software team • Participating in code reviews and provide constructive feedback 	
Education and Skills Requirements	
<p>Education:</p> <ul style="list-style-type: none"> • Educated to degree level in software engineering or other relevant discipline is essential • 5+ years' experience in relevant role and industry desirable <p>Skills & Experience Required:</p> <ul style="list-style-type: none"> • Experience in developing tools/applications using MATLAB/Python • Experience of working with Python within a MATLAB environment • Experience of developing scripts in MATLAB • Experience of developing Simulink and Stateflow models to MISRA/MAAB standards • Familiarity with embedded code generation, either autocode or scripting • Software testing techniques in MATLAB/Simulink • Can work with and develop software requirements • Agile software development processes and management tools such as JIRA • Experience with version control practices • Pragmatic approach to problem solving. 	

Skills and & Experience Desirable

- Experience with Embedded C code
- Experience working with communication protocols such as CAN and LIN
- Experience in databases (SQL) and data manipulation

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