

Experienced

Engineer

Vision Systems - Samvardhana Motherson Reflectec (SMR) - Noida, India

At Motherson, we're committed to creating long-term jobs and advancing global careers. Featured on TIME's World's Best Companies list, we are a diversified global design, engineering, manufacturing, assembly and logistics specialist, delivering full-system solutions to customers across industries. With a focus on innovation, quality and sustainability, we strive to be a trusted industrialisation partner and an employer that nurtures a diverse, inclusive workplace.

Our Vision Systems division enhances vehicle safety and visibility with high-quality mirrors and advanced camera systems, trusted by major automotive OEMs worldwide. Join us to collaborate with experts, work with cutting-edge technology, and help shape the future of safer, smarter mobility.

What you'll do

- Comfortable working from technical documentation and requirements specifications.
 - Assist in developing embedded software in C for automotive applications on but not limited to 32-bit microcontrollers such as NXP142 with opportunities for 8-bit and 16-bit architectures in the future
 - Support testing activities including unit testing, static analysis
 - Read and interpret embedded system hardware level schematics in conjunction with technical documentation
 - Using configuration tools such as Bitbucket or GitHub for version control.
 - Use Vector CANalyzer software to create test environments to be used for integration testing. Including basic CAPL scripting, creation of test panels and usage of CANdb (CAN databases).
 - Executing software validation plans and all supporting documentation and reports
 - Methodical documentation and reporting of testing results
 - Use tools such as digital multi-meters (DMM), oscilloscopes, logic analysers and power supplies to debug embedded systems and root cause analysis reports

What we are looking for

- Required skills and experience
 - Proficiency in Microsoft Office tools (Outlook, Word, PowerPoint, Excel, Teams).
 - Familiarity with the C programming language for embedded systems.
 - Understanding of microcontroller architectures (8-bit, 16-bit, 32-bit).
 - Basic experience working with CAN communication and Vector CANalyzer.
 - Familiar with reading hardware schematics and interpreting documentation.
 - Exposure to configuration management tools like Bitbucket or GitHub.
 - Willingness to learn and grow in a collaborative engineering environment.

Preferred qualifications

- Bachelor's degree in Electronics, Computer Engineering, or a related field.
- Up to 2 years of relevant experience (graduates welcome to apply).
- Exposure to CAPL scripting or HIL simulation is a plus

What we offer