

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