Company Description

Magna International Inc. is a leading global automotive supplier dedicated to delivering new mobility solutions and technology that will change the world. Our products can be found on most vehicles today and come from 340 manufacturing operations and 90 product development, engineering, and sales centers in 28 countries. We have over 161,000 employees focused on delivering superior value to our customers through innovative processes and world-class manufacturing.

The Mechatronics, Mirrors & Lighting (MML) group specializes in automotive technologies that drive the future of mobility. With expertise in vehicle access solutions, intelligent vision systems, and advanced lighting technologies, we are shaping innovation, safety, and styling for tomorrow's vehicles. Our actuators have been trusted for decades in millions of vehicles worldwide—controlling airflow at radiator grilles, positioning air conditioning flaps, and adjusting exterior mirrors.

MAGNA Auteca is expanding its Firmware Development team in Skopje. Join us and be part of a global team driving cutting-edge automotive solutions.

Embedded Software Engineer

Your Responsibilities:

- Develop embedded firmware for automotive actuators with BLDC motors and LIN interfaces, following the ASPICE V-Model.
- Collaborate with the local team and remotely with the development team in Klagenfurt, Austria.
- Work closely with hardware and software engineers in a multidisciplinary environment.
- Begin with testing activities to gain product knowledge from a validation perspective, then gradually take over development tasks on the left-V side.
- Plan, implement and perform software qualification, integration and unit testing.

- Identify, document, and track defects using appropriate tools and ensure reproducibility.
- Automate test procedures.
- Analyze requirements and create test specifications to ensure full coverage.

Who are we looking for:

- Education: Bachelor's or Master's degree in Computer Science, Electrical Engineering, Mechatronics, or equivalent.
- Experience: Minimum 2 years in embedded software development or similar.
- Skills:
    - Strong programming skills in C
    - Experience with scripting languages (e.g., Python, CAPL) for automated test cases.
    - Familiarity with microcontroller IDEs (e.g., Keil µVision).
    - Use oscilloscopes, multimeters, debuggers to validate hardware-software interaction.
    - SVN, Git
    - Proactive problem-solving and out-of-the-box thinking. Suggest improvements.

- Occasional willingness to travel.
- High motivation and willingness to learn.
- Onboarding will take place in Austria.

Your preferred qualifications:

- Understanding of BLDC motor physics and motor control.
- Familiarity with communication protocols (LIN, SPI, I²C, UART).
- Combined Software AND Electronic experience.
- Experience with ALM tools (e.g. Polarion)

In addition, we offer you the following benefits:

- Health programs, sports and team events.
- Training program and exciting internal development opportunities.
- Private Health Insurance.

Fair treatment of employees is the basis of our corporate culture. Apply and join our global team of 161,000 employees

Forward. For all.