



Visteon®

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Requisition Number: 13823

Post Date: June 16, 2017

Title: ADAS Software Framework Developer

City: Sofia

Country: Bulgaria

Description: ADAS Software Framework Developer – Sofia, Bulgaria

About Visteon

Visteon is a global technology company that designs, engineers and manufactures innovative cockpit electronics products and connected car solutions for most of the world's major vehicle manufacturers. Visteon is a leading provider of instrument clusters, head-up displays, information displays, infotainment, audio systems, telematics and SmartCore™ cockpit domain controllers. Visteon also supplies embedded multimedia and smartphone connectivity software solutions to the global automotive industry. Headquartered in Van Buren Township, Michigan, Visteon has approximately 10,000 employees at more than 40 facilities in 19 countries. Visteon had sales of \$3.16 billion in 2016. Learn more at www.visteon.com.

Visteon is an equal opportunity employer committed to a culturally diverse workforce.

Our Vision

A top-three cockpit electronics player delivering a rich, connected cockpit experience for every car from luxury to entry

ADAS SOFTWARE FRAMEWORK DEVELOPER – SOFIA, BULGARIA

Primary Responsibilities

- Specification and documentation of the middleware configuration together with the system and requirements engineers
- Implementation, customization and configuration of middleware like ROS and DDS on different operating systems
- Implementation and maintenance of the middleware messages and the corresponding data classes for interface handling
- Support of team members in the usage of the middleware and the usage of the specific middleware messages including the corresponding data classes
- Documentation of middleware messages and their implementation
- Implementation / integration / modification of interface drivers to support sensor connections through CAN, Ethernet and GMSL
- Analysis of available middleware and comparison of them on different operating systems

- Analysis and verification of drivers and board support packages to ensure the required functionality
- Support the testing team with information and scripts to allow function tests
- Modification, extension and development of software tools for visualization, logging and analyzing of middleware messages

Additional Duties

- Participation in the specification and definition of middleware messages
- Participation in the specification of the middleware configuration
- Participation in the implementation of Matlab/Simulink interfaces to ROS and DDS
- Participation in the adaption of the Matlab/Simulink to get the models as close as possible to the reality

Requirements

Degree Strongly Preferred: in computer engineering, automation engineering, electrical engineering or similar

Desired Competencies/Experience

- Very good C/C++ know-how, preferable in embedded/automotive area
- Experience in developing and debugging object-orientated software in a real-time, embedded, multi-processor, multi-interface environment, preferable in automotive area
- Experience with Agile development, test driven development and continuous integration
- Knowledge of MISRA coding guidelines
- Familiar with development environments like ROS
- Language skills: Fluent in English
- Experience with the following operating systems: QNX and Linux
- Experience with DDS and its usage in different operating systems
- Knowledge of V-model based development and functional safety standards
- Research and/or development experience in robotics, automated driving and distributed systems
- Experience with MATLAB/Simulink
- Experience being in feature teams using Agile / SCRUM methodologies
- Experience in the development of software for automotive network protocols like CAN, Ethernet
- Self-motivated / self-starter with the ability to find creative solutions
- Experience with working in global teams

Apply for this Position

If you are interested in applying for this position, send your resume to pmcalorum@visteon.com and include the requisition number in the subject of your email.