Application Software Simulation & Test Engineer

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Company: tremec

Location: Zedelgem

Category: computer-and-mathematical

Job description:

The application software development team develops, maintains & calibrates the software logic and algorithms which control the features & functions of the dual clutch transmissions and the electric drivetrain solutions developed by Tremec.

As Application Software Simulation & Test Engineer you are responsible for the activities concerning simulation & testing of the application software and you will work on the automation of steps in our development & validation process. Specific tasks include:

Creating full vehicle level simulations including detailed component simulation.

Creating and maintaining our Software in the Loop (SiL) simulation environment where the software logic runs in closed loop with the vehicle model.

Developing and maintaining test scenarios and test scripts (Python based) for the application software.

Supporting configuration of our Hardware in the Loop (HiL) environment and tests executed on that platform.

Automating development process steps and execution of regression tests to improve our Continuous Integration workflow.

About you:

Master degree in Mechanical Engineering, Electronics or Electromechanical engineering

Experience with simulations in Matlab Simulink or similar tools

Experience with scripting in Matlab and Pyhton or similar languages

Experience with different testing platforms (SiL, PiL, HiL) is a plus

Strong interest in mechatronics and embedded software, interest in automotive is a plus

Interest in software testing and automation, interest in CI and DevOps is a plus

Analytic thinker & problem solver

Creative mind with an eye for detail

Able to work independent as well as being a team player

Good communication and presentation skills

Our offer

A high-tech environment full of creative and technical talent.

A varied job where you will be continually expanding your knowledge.

A dynamic work atmosphere in an organization with a low-level hierarchy and an international company culture with integrity, teamwork, innovation, institutionalism and leadership as defining values.

An easily accessible location with ample parking.

An attractive salary package including group & hospitalization insurance as well as meal & eco vouchers.

The possibility to partly define your salary package via a flexible benefit plan.

20 legal holidays and 12 recuperation days (ADV) based on a 38-hour work week.

Structural telework policy.

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