Software Integrator - Validation and Testing

Your tasks

In the Budapest Artificial Intelligence Development Center of Continental, Autonomous Mobility, we create next generation automotive software solutions which make automated driving safe and affordable. We work towards Vision Zero, a goal to eliminate fatal accidents happening every day on the world’s roads. We are looking for creative minds who are passionate to shape the future of automated driving by delivering world-class perception and fusion systems. Our teams develop software solutions for automated parking systems, processing various automotive sensor data and providing a robust, scalable output to driving function modules.

In the Visualization Team we develop a camera-based surround view system as a driver assistance system. Four fisheye cameras provide video streams which are stitched together and reprojected to simulate a 3D environment.

The created environment is used to support parking manoeuvres and slow speed visualisations in real time. The Software Integration Engineer is end to end responsible for the L1 to L3 validation testing from definition through production release validation.

Your Tasks:

- Develop a strategy for integrating software consistent with the project plan and release plan.
- Identify software components based on the software architectural design and define a sequence for integrating them.
- Acting as a CI delegate for the project, provide necessary information to developers, training of the developers on usage of the DevGate.
- Coordination of automated tests for the project.
- Collaborate to develop a strategy for testing the integrated software following the integration strategy.
- Develop the test specification of software integration test cases according to the software integration test strategy for each integrated software component.
- Correct dataflow between software components.
- Integration of software components according to the project release plan.
- Providing of checkpoints for the project on a regular base.
- Selection of test cases and performing test runs for the integrated software.
- Execution of test cases according to the test plan.
- Debugging and primary error analysis for assigning the error to a specific PO
- Review and communication of the test results.

Your profile
• Academic degree in electrical engineering, computer science or equivalent qualification.
• Several years of experience as a software integrator or platform integrator in the field of automotive embedded systems.
• Very good knowledge of lauterbach debugging, CANoe, CAPL or C#, vTestStudio and VTSYSTEM.
• Good knowledge of the automotive software development (C++) and test process e.g. ASPICE, ISO26262, Classic/Adaptive Autosar and Continuous Integration.
• Good knowledge about the continuous integration and build tools (JIRA/Git/Github/Jenkins/Compiler).
• Technical knowledge of driver assistance function and sensors.
• Experience as ISTQB® certified tester - foundation level, ideally ISTQB® certified tester - test automation engineer.

Our offer

What We Offer

• Participation in exciting, highly innovative projects.
• Personal career development and a challenging role with end-to-end responsibility.
• Ability to directly deliver software into real products.
• Access to cutting-edge technologies and to one of Europe's largest in-house GPU clusters.
• Opportunity to see your ideas turn into reality with our test vehicle.
• Continuous development with access to numerous trainings, including technical skills, soft skills and language skills.
• A friendly, respectful and collaborative work environment that encourages creativity and innovation.
• Competitive compensation and a wide range of benefits, including:
  ○ Private health insurance
  ○ Bonus system
  ○ Employee discounts
  ○ Sport pass support
  ○ Flexible work-from-home arrangements
  ○ Easily accessible office location in downtown Budapest (near Kálvin square).

Ready to drive with Continental? Take the first step and fill in the online application.

About us

Continental, founded in 1871, is a global technology company specializing in sustainable and connected mobility solutions. With 150 years of experience, we provide safe, efficient, and affordable solutions for vehicles, machines, and transportation. In 2022, we achieved €39.4 billion in sales, employing over 199,000 people across 57 countries. Our portfolio includes automotive safety, brakes, automation, and communication technologies for vehicles.