

Job Offer AD SIMULATION

The newly shaped Software Organization is currently seeking brilliant AD Simulation Senior Software Developers to join the Autonomous Driving software team.

As an AD Simulation Senior Software Developer you will be required to develop, integrate and deploy clean and highly scalable code for our SiL platform to test and validate our Autonomous Driving stack. You will also develop solutions to orchestrate large-scale simulations on-premise and on-cloud platforms to ensure the reliability of the future L2 and L3 autonomous driving product through testing for billions of kilometers. As a senior member of the team, you will also be expected to provide hands-on technical guidance and to actively contribute to the technical growth of the team.

Basic Qualifications:

- Excellent programming skills in C++ and Python
- Solid command of the most common data structures and algorithms
- Experience in software design methods and latest software quality standards (MISRA, SPICE)
- Proficient in Linux OS
- Proficient with Git/GitHub or other versioning tools
- Good knowledge of ADAS/AD systems, components, features and related control theory
- Experience with operating system virtualization (e.g. Docker and Kubernetes)
- A proven track record in agile software testing, test-driven development, continuous integration (e.g. Jenkins) and testing infrastructure (e.g. SIL and HIL)
- Knowledge on automotive communication protocols (CAN-FD, SOME/IP, ..)
- Knowledge on communication bus for automotive applications
- Excellent communication, collaboration, analytical and problem-solving skills
- Fluent in English

Nice to have:

- Expertise in developing simulation software for self-driving cars (e.g. Carla, CarMaker, dSpace)
- Experience in AUTOSAR classic and adaptive platforms
- Experience in ECUs virtualization methods for full stack virtual validation
- Good programming skills in Matlab/Simulink
- Experience with modeling and simulation of physical plant models for ADAS/AD xIL platforms
- Good programming skills in C#
- Experience working with autonomous systems, ADAS/AD sensors, automotive network technologies
- Knowledge of safety-related methods like ISO26262 and SOTIF

Experience of working within an AGILE or Scrum framework