

System Validation Engineer for Automated Driving (f/m/div.)

**Standort**

Stuttgart-Vaihingen

**Arbeitsbereiche**Forschung, Voraus-
und

Technologieentwicklung

ArbeitszeitFull-time and/or
part-time**Einstieg als**

Berufserfahrene*r

**Startdatum**

Nach Vereinbarung

**Rechtseinheit**Robert Bosch
GmbH

NextGenCrossComputing

L4Automated

automated driving

validation

safety

release

Aufgaben

- You are part of a team, developing methods and toolchains for system validation for automated vehicles.
- You design, implement and maintain testing and evaluation pipelines (e.g. simulation, recompute) in the cloud for large scale data processing (Microsoft Azure, Docker).
- You support and coordinate V&V experts from other teams in developing component-specific validation testing and evaluation pipelines according to an overall V&V strategy.
- Depending on your expertise, you assume one of the following roles in the team: System validation cloud engineer or SOTIF analyst.

- As System validation cloud engineer, you design, implement and maintain data processing and evaluation scripts (Python, SQL), as well as monitoring dashboards for test result and test progress visualization. Additionally, you also design, implement and maintain data structure for test job configurations and validation test results. Lastly you schedule, execute and monitor testing pipelines.
- As SOTIF analyst, you create a SOTIF (Safety of the intended functionality) analysis framework that enables the validation of automated vehicles. Furthermore, you develop and apply new SOTIF analysis methods for automated driving, as well as non-established safety analysis methods with focus on data together with the research department.

Profil

- **Education:** outstanding degree (Master's degree or PhD) in Computer Science, Physics, Mathematics, Engineering or related field
- **Personality and Working Practice:** motivating attitude and team player, profound communication skills, structured and analytical, passionate about test-driven development, able to find solutions with conflicting targets, eager to drive the topic, proven ability to collaborate with cross-functional teams and guide others to solve technical problems
- **Experience and Knowledge:** work experience with state-of-the-art verification and validation strategies for open-world-problems; profound skills in Python, Jenkins, Azure DevOps; experience with continuous testing pipelines in on-prem and cloud environments; profound knowledge and experience with safety analysis methods esp. application to software intensive systems
- **Languages:** fluent English and German skills

Kontakt & Wissenswertes

Apply now in just 3 minutes!

You want to work remotely or part-time - we offer great opportunities for mobile working as well as different part-time models. Feel free to contact us.

Need support during your application?

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Need further information about the job?

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