+ software
+ engineering
+ test

tracetronic
GUIDING YOUR VISION

TraceTronic is a leader in the development and validation of electronic control units for the automotive industry. Our interdisciplinary teams of skilled engineers, mathematicians, and computer scientists fully support our customers' goals throughout the entire hardware and software development process to enable faster time to market. We provide requirement analysis, system analysis and test implementation and execution, using state-of-the-art technologies and methodologies.

Test & Validation Project Engineer

Job Description

As TraceTronic's **Test & Validation Project Engineer**, you will use your technical expertise to coordinate and conduct all testing tasks required to validate a client's ECUs. You will liaise regularly with colleagues from our German-based engineering and software development departments to ensure that projects are delivered to our clients in accordance with TraceTronic's high standards.

Job Responsibilities

- Develop and implement test cases for ECU software with our test automation tool ECU-TEST and our automatic evaluation and validation tool TRACE-CHECK for various Hardware-in-the-Loop test benches
- Specify necessary tests for the respective systems
- Run laboratory and field tests (test drives)
- Thoroughly document tests, reporting and error analysis
- Work closely with software developers in Dresden Germany for the Extension/Plug-In development for ECU-TEST
- Develop trace analyses for automatic evaluation of signal recording files

Job Skills and Qualifications

- Engineering degree in a relevant technical field (e.g., EE, ME, CS)
- Minimum of 2 years' experience, with automotive industry experience highly preferred
- Experience programming in C, C++, Java or scripting languages (Python, PHP, Perl, etc.)
- Familiarity with automotive bus systems (CAN, FlexRay, etc.) is beneficial
- Ability to manage multiple projects simultaneously
- Highly self-motivated, enthusiastic, and comfortable in a hands-on role
- Results-driven approach to problem solving
- Flexibility and willingness to travel

Benefits of Joining the TraceTronic Team

- Helping customers pioneer innovative projects with leading-edge technology
- Growth within a flat hierarchy of motivated colleagues in an open, agile corporate culture
- Attractive compensation and benefits package