

Automotive HIL Test Specialist

Exclusive job

Job Information

Recruiter
NEXUS Corporation

Job ID
1579825

Industry
Automobile and Parts

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
5 million yen ~ 12 million yen

Refreshed
October 20th, 2026 10:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

Minimum Education Level
High-School

Visa Status
Permission to work in Japan required

Job Description

The Test Specialist is responsible for ensuring the quality and reliability of automotive software systems through structured testing and validation. The role involves analyzing requirements, defining test strategies, and managing test execution. Strong experience in automotive HIL testing and embedded systems is required to deliver high-quality results within timelines.

Key Responsibilities

- Design and execute test plans and test cases for automotive software using HIL testing
- Ensure full coverage of functional and performance requirements
- Use automation tools such as MATLAB/Simulink and LabVIEW to improve test efficiency
- Perform functional, regression, usability, and API testing
- Identify, reproduce, and document defects following defined processes
- Track and manage defects using Jira and TestRail
- Work closely with developers to analyze and verify defect fixes
- Participate in test reviews to improve overall testing practices
- Stay updated with latest automotive testing trends
- Contribute to automation frameworks using Python and Robot Framework

Required Skills

- Strong knowledge of automotive HIL testing and embedded systems
- Experience with automation tools (MATLAB/Simulink, LabVIEW, Robot Framework)
- Good understanding of SDLC and software testing processes
- Strong analytical and problem-solving skills
- Experience with Jira and TestRail

Preferred

- ISTQB Advanced Test Analyst or Certified Automotive Software Tester (CAST) certification

Company Description