Automotive Software Test Engineer (Audio Focus)

Automotive Software Test Engineer

Job Information

Recruiter
Michael Page

Job ID
1582115

Industry
Software

Job Type
Temporary

Location
Tokyo - 23 Wards

Salary
Based on hourly rate

Hourly Rate
¥3000 - ¥4000

Refreshed
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General Requirements

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Fluent

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

This role focuses on software validation, automation, and debugging for next-generation automotive audio systems. You will contribute directly to improving embedded audio performance by working closely with local and offshore engineering teams.

Client Details

A **global audio technology leader** partnering with major automotive manufacturers to deliver premium in-vehicle sound systems. The Japan engineering team collaborates closely with international development groups and offers a modern, hybrid work environment.

Description

- Create test plans, procedures, and test reports for embedded audio software
- Develop automation test scripts (primarily Python) and maintain test frameworks
- Analyse issues, support debugging activities, and maintain the defect tracking system
- Participate in requirements and design reviews across the development cycle

- Lead or support root-cause analysis and validation scheduling
- Collaborate with offshore engineering teams and manage assigned validation tasks
- Work with automotive interfaces such as CAN, A2B, MOST, RS-485, and Ethernet AVB
- Utilise oscilloscopes, function generators, and other tools for signal analysis
- Contribute to continuous improvement of testing infrastructure and automation environments

Job Offer

- Hybrid work style with around **3 days in office**
- Opportunity to contribute to globally deployed automotive audio solutions
- Environment that values collaboration, technical curiosity, and innovation

To apply online please click the 'Apply' button below. For a confidential discussion about this role please contact Serena Wu on +81 3 6627 6137.

Required Skills

- BS or MS in Electrical Engineering, Computer Engineering, or similar
- 6+ years of experience in software testing or software development
- Strong hands-on experience with Python; familiarity with C/C++ and MATLAB
- Experience in automotive, audio, embedded systems, or related testing domains
- Knowledge of CAD tools and CAN-based automation
- Understanding of DSP concepts and automotive communication networks
- Comfortable using oscilloscopes and signal analysis tools
- **Business-level Japanese and English**, able to communicate with offshore teams
- Strong communication skills, proactive mindset, and ability to work both independently and in small teams

Company Description

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