

Automotive System Integrator

Exclusive job

Job Information

Recruiter
NEXUS Corporation

Job ID
1581604

Industry
IT Consulting

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
6 million yen ~ 12 million yen

Refreshed
October 30th, 2026 11:00

General Requirements

Minimum Experience Level
Over 6 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

The department is the driving force behind the future of mobility, specializing in embedded software development for automotive systems and software-defined vehicles. The team architects and delivers solutions that enable advanced features like ADAS, connectivity, electrification, and autonomous driving.

The department fosters a culture of innovation, collaboration, and continuous learning.

The department believes in:

Agility: Rapid prototyping and iterative development to stay ahead of the curve.
Ownership: Empowering individuals to take initiative and drive impactful solutions.
Transparency: Open communication and knowledge sharing across teams.

The team blends hardware, software, and cloud specialists, creating a dynamic environment where cross-functional collaboration thrives.

About the project:

The organization is a strategic software partner for a leading global automotive OEM, supporting their transformation toward Software-Defined Vehicles (SDVs). The role spans both strategic consulting and execution, from defining software architecture roadmaps to delivering robust, scalable solutions for next-generation mobility.

Benefits of this role:

This is an opportunity to help establish a next-generation automotive software platform. The role involves working on technologies such as ECU virtualization, containerization, centralized compute platforms, and digital development ecosystems that are redefining mobility worldwide.

The role also provides opportunities to interact with experts from cross-functional teams across OEMs, Tier-1 suppliers, and within the organization. You will work with associates from multiple geographies and diverse cultures.

Good performance will be recognized and rewarded with growth opportunities within the organization, along with exposure to potential projects with additional customers.

Career path:

The position will start as Validation Engineer and, based on performance, may progress to Technical Lead.

Job responsibilities:

- Coordinate and integrate hardware and software components for complex systems, ensuring seamless operation across subsystems.
- Collaborate with cross-functional teams including hardware engineers, software developers, and QA to ensure integration deliverables meet project specifications.
- Perform system integration testing, troubleshoot issues, and document integration results.
- Support the deployment and commissioning of systems at client sites, including on-site troubleshooting and technical support.
- Develop and maintain integration documentation, test plans, and reports for internal and client review.
- Ensure compliance with automotive standards such as AUTOSAR, Functional Safety – ISO 26262, and ASPICE.
- Manage multiple integration projects simultaneously while adhering to schedules and quality standards.
- Communicate effectively with clients to understand their requirements and provide technical solutions.
- Support system validation activities, including performance testing and compliance verification.

Eligibility for registration

Minimum qualifications:

- Experience in system integration, testing, and commissioning of complex hardware-software systems.
- Knowledge of communication protocols such as CAN/CAN-FD, SOME/IP, DOIP, DOCAN, MQTT, HTTP, DDS, and IPC (MQ, Socket, Data Sharing).
- Familiarity with embedded systems, hardware components, and software tools used in system integration, including:

Language: C, C++, Python
OS/Middleware: Linux, QNX, AUTOSAR
Controllers: Renesas R-Car, NXP S32G, MCUs
Toolchains: GCC, Multi, Vector DaVinci, EB tresos
Tools: Docker, Git, JIRA, GTest, Polyspace, Cantata++, CANoe

Company Description