CYIENT

HPC / Vehicle Computer — Senior Engineer / System Architect

Job Information

Hiring Company
Cyient K.K.

Job ID
1615761

Industry
IT Consulting

Job Type
Permanent Full-time

Location
Kanagawa Prefecture

Salary
7 million yen ~ 9 million yen

Work Hours
9am-6pm JST

Holidays
In accordance with company regulations

Refreshed
November 2nd, 2026 07:00

General Requirements

Minimum Experience Level
Over 1 year

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Fluent Level

Minimum Education Level
High-School

Visa Status
Permission to work in Japan required

Job Description

≪Job Description & Position Highlights≫

- Lead the integration of HPC and Vehicle Computer technologies for next-generation E/E architectures
- Drive technical coordination between OEM teams and global engineers, solving complex vehicle architecture challenges
- Develop expertise in SDV, AUTOSAR Adaptive, in-vehicle networks, OTA, and next-generation automotive technologies
- Work with global engineering teams in both Japanese and English on cutting-edge vehicle system development

【Job Responsibilities】
We are seeking an experienced HPC / Vehicle Computer Senior Engineer / System Architect to lead the integration and technical coordination of High-Performance Computing platforms within an automotive OEM's next-generation E/E and

Software-Defined Vehicle (SDV) architecture.
The role focuses on centralized vehicle computing, domain consolidation, middleware, application hosting, and vehicle E/E architecture, acting as the primary technical bridge between OEM E/E architecture teams and global engineering units.

< Key Responsibilities >

- Act as the primary technical interface between OEM E/E architecture teams and global HPC engineering units cyient.com
- Support HPC system architecture, platform integration, and domain consolidation
- Define and review system requirements, HW/SW interfaces, and multi-function application hosting on centralized platforms
- Support Linux/Embedded OS, AUTOSAR Adaptive, middleware integration, OTA, diagnostics, and vehicle data functions
- Analyze Automotive Ethernet, SOME/IP, CAN-FD, and DoIP communication protocols
- Coordinate SIL/HIL testing, vehicle validation, functional safety, cybersecurity, and global technical problem solving
- Participate in OEM architecture/design reviews and prepare technical specifications and reports in required languages

【Employment Type】
Permanent employee

【Salary】
700万円 ~ 900万円以上

【Working Hours】
9am-6pm JST

【Work Location】
Yokohama

【Holidays & Leave】
In accordance with company regulations

【Benefits & Welfare】
In accordance with company regulations

Required Skills

【Required Skills】

- Strong experience with HPC, Vehicle Computers, or Domain Controllers
- Deep understanding of Automotive E/E and Software-Defined Vehicle (SDV) architectures
- Proficiency in Embedded Linux, AUTOSAR Adaptive, C/C++, and POSIX-based systems
- In-depth knowledge of SOME/IP, Automotive Ethernet, CAN/CAN-FD, and DoIP protocols
- Hands-on experience with OTA updates and vehicle diagnostics
- Language: Business/Native-level local language (N2 and above) and Business-level English

【Good to Have】

- Prior experience with automotive OEM E/E architecture teams
- Working knowledge of Functional Safety (ISO 26262) and Automotive Cybersecurity standards

Company Description