



PR/095252 | ADAS, Embedded SWE

## Job Information

**Recruiter**

JAC Recruitment Vietnam Co., Ltd

**Job ID**

1561532

**Industry**

Automobile and Parts

**Job Type**

Permanent Full-time

**Location**

Tokyo - 23 Wards

**Salary**

Negotiable, based on experience

**Refreshed**

November 25th, 2025 15:00

## General Requirements

**Career Level**

Mid Career

**Minimum English Level**

None

**Minimum Japanese Level**

None

**Minimum Education Level**

Associate Degree/Diploma

**Visa Status**

No permission to work in Japan required

## Job Description

### Responsibilities

- Collaborate with internal teams and external partners to gather both functional and non-functional requirements.
- Work with stakeholders to prioritize these requirements and constraints.
- Design an optimal logical architecture that aligns with system goals and stakeholder expectations.
- Strategically allocate software components and CPU resources, considering scheduling theory and hardware limitations.
- Plan and budget memory usage and other hardware resources to ensure efficient system performance.
- Assess hardware resource usage, including processing load and memory consumption.
- Identify and implement countermeasures when resource budgets are exceeded.
- Establish a cohesive strategy and development process for both logical and physical architecture design across AD/ADAS systems.

#### Minimum Qualifications

- Proven expertise in software architecture and embedded software development, with 4+ years of hands-on experience.
- Practical experience in gathering and defining requirements for embedded systems.
- Solid understanding of SoC-based embedded platforms, including systems with multi-core CPUs, GPUs, and hardware accelerators.
- Familiarity with software platforms and middleware such as POSIX, RTOS, Ubuntu, ROS, QNX, and similar.
- Proficient in C++ and other relevant programming languages.
- Strong interpersonal and communication skills to collaborate effectively across teams.
- Professional working proficiency in English, with a TOEIC score above 730.

#### Nice to Have

- Ph.D. or M.S. degree in Computer Science, Electrical Engineering, Computer Engineering, or related fields
- Experience in developing AD/ADAS systems

#### Benefits

- Competitive Salary – Based on experience
- Flexible Work Hours
- Paid Leave – 20 days/year (prorated)
- Sick Leave – 6 days/year (prorated)
- Holidays – Weekends, Japanese national holidays, and company-defined days
- Social Insurance – Health, pension, workers' comp, unemployment, and long-term care
- Housing Allowance
- Retirement Benefits
- Rental Car Support
- In-House Training – Software and language learning programs

#### #LI-JACVN

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#### Company Description