

Job Detail

Executive Level

Position Title	Embedded Software Architect Specialist
Recruiter Company	Fidel Consulting KK
Company Name	Company name is private
Activated / Updated	2024-03-06 / 2024-03-07
Job Type	IT (PC, Web, Unix) - Database SE IT (PC, Web, Unix) - Web Application SE Executive - Other
Industry	
Location	Asia Japan Tokyo
Job Description	<p>Develop embedded software system for spacecraft, including lander and other transportation system elements. Be responsible for the development of boards and other components by hardware engineering and test tools for integrations of all other components and setting up the environment for development.</p> <p>Lead the identification of the software requirement from system level requirement, and break down them to software design, architect and implementation to satisfy the requirements.</p> <p>Collaborate with other sub system engineers such as avionics, ground segment, system engineers to identify software architecture design, some component or technology selection, including make or buy decisions, and on avionics and propulsion with other design and analysis team members as appropriate.</p> <p>Design the software architecture with DSP/Microprocessor selection and develop BSP (Board Support Package) and evaluate the feasibility of new design to meet the requirement.</p> <p>Manage schedules, costs and quality on each function assigned to meet requirements. Also break down functions of components to tasks and track status and issues. Report all of them to the lead or manager.</p> <p>Lead the software engineers by any appropriate modern methods of development to construct the high reliability and quality and save resources from architecture point of view.</p> <p>Design, coding, review, integration, test, support and enhance software solutions for assigned spacecraft such as attitude or motion control, command, communication, power and data management and fault protection. Also describe the documentations and keep updating them at all phases.</p> <p>Lead the design activities for current and future spacecraft software architecture with external (component supplier) and internal stakeholders (Software engineers and other subsystem engineers) In addition, lead the new functions design and problem analysis from architecture point of view with strong accountability.</p>
Company Info	<p>Focusing on the moon, the company will use the precious water resources that sleep on the moon to build space infrastructure and expand the living sphere of humankind to space.</p> <p>This company's goal is to create a system for both the earth and the moon, and an economy centered on space infrastructure will support the lives of people living on the earth and realize a sustainable world.</p> <p>As a starting point for that goal, they are exploring water resources.</p> <p>The company leads the world with Japan's proud high-quality manufacturing and cooperative leadership, and contributes to the construction of a space-scale living area that supports human life.</p>
Qualifications	<p>+10 years of experience designing and coding embedded software for high reliability application</p> <p>+5 years of experience of software architect and/or system engineers</p> <p>Strong leadership and communication skill not only with software engineers, but also with other subsystem engineers and customers</p> <p>Deep understanding of Realtime OS and embedded software</p> <p>Experience with bus, communication, and networking protocols (RS-422, PCI, Ethernet, Space Wire and etc.)</p> <p>Bachelor's degree in computer science or equivalent</p> <p>Proficient in C programming language</p> <p>Business level English and Japanese</p>

English Level	Business Conversation Level (TOEIC 735-860)
Japanese Level	Business Level(JLPT Level 2 or N2)
Salary	JPY - Japanese Yen JPY 9000K - JPY 11000K