

Job Detail

Executive Level

Position Title	Embedded Software Architect
Recruiter Company	Fidel Consulting KK
Company Name	Company name is private
Activated / Updated	2024-03-06 / 2024-03-06
Job Type	IT (PC, Web, Unix) - Web Application SE IT (PC, Web, Unix) - Database SE Executive - Other
Industry	
Location	Asia Japan Tokyo
Job Description	<p>Embedded software development for spacecraft, including landers and other transportation system elements.</p> <p>Identify software requirements from the system level and translate them into software design, architecture, and implementation that meet the requirements. Collaborate with other subsystem engineers such as avionics, ground segment, and systems engineers and facilitate appropriately with other design and analysis team members such as software architecture design, component or technology selection, including decision making and purchasing decisions, carry out. Design the software architecture by selecting a DSP/microprocessor, develop the BSP, and evaluate the feasibility of the design to meet the requirements. Properly manage schedule, cost, and quality. Also, break down component functionality into tasks, track status and issues, and share and report with leads and managers accordingly.</p> <p>Develop software using the best and latest development methods, building reliability, quality and conserving resources.</p> <p>Design, code, review, integrate, test, support, and enhance software solutions for spacecraft motion control, command, communications, power and data management, fault protection, etc. We will also explain the relevant documentation and update it accordingly at each phase.</p> <p>Collaborate with internal and external stakeholders to design and implement spacecraft software, define and execute required tests.</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>5+ years of experience designing and coding embedded software for high-reliability applications</p> <p>5+ years of experience of software architect and/or system engineers</p> <p>Strong leadership and communication skills not only with software engineers, but also with other subsystem engineers and customers.</p> <p>Deep understanding of real-time OS and embedded software.</p> <p>Experience with bus, communication, networking and 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</p> <p>5+ years of experience in embedded software design and coding for high reliability applications</p> <p>5+ years of software architect experience</p> <p>Solid communication skills and leadership with internal and external stakeholders and customers</p> <p>Deep understanding of real-time OS and embedded software</p> <p>Experience with bus, communications, and network protocols (RS-422, PCI, Ethernet, SpaceWire, etc.)</p> <p>Bachelor's degree in Computer Science or equivalent</p>

	Proficient in C programming language Positive attitude, self-direction, interest in working in a startup environment and diversity Willingness to try new technology business level english
English Level	Business Conversation Level (TOEIC 735-860)
Japanese Level	Business Level(JLPT Level 2 or N2)
Salary	JPY - Japanese Yen JPY 6000K - JPY 9000K

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