

Job Detail

International Team

Staff Level

Position Title	【Microsatellite maker】 Embedded System Hardware Engineer
Recruiter Company	Robot Job Japan / Global Career Agent Inc.
Company Name	Company name is private
Activated / Updated	2024-04-18 / 2024-04-18
Job Type	Electronics (Appliance/Semiconductor) - Basic Research and Development Manufacturing (Automobile/Plant Engineering/Precision Equipment) - Basic Research and Development Electronics (Appliance/Semiconductor) - Design/CAD Design/CAD Operator
Industry	Manufacturing - Other
Location	Asia Japan Tokyo
Job Description	<p>Embedded hardware engineers develop, design, and test hardware for embedded devices, including on-board computers (OBCs) that are installed on satellites.</p> <ul style="list-style-type: none"> - Development of embedded hardware - Designing board specifications based on satellite system requirements and circuit design based on that - Software development based on satellite system specifications, other satellite component specifications - Documentation of design information - Design and code review - Creating circuit diagrams using electrical CAD - Prepare the information necessary for board manufacturing, request manufacturing to the manufacturer, and perform acceptance inspection of the delivered board - Various test design and practice - Work closely with other engineering teams, partners and vendors to ensure interoperability/reusability - Promoting debugging and interfacing with adjacent subsystems - Collaborate with software designers to solve problems - Support satellite operation in initial operation and when trouble occurs - Implement and test device drivers using C/C++
Company Info	<p>商用宇宙テクノロジーの設計、製造、ソリューションの提供</p> <p>Commercial space technology design, manufacture and solution provider</p> <p>IoT、人工知能、ロボティクスおよび新世代の移動体に関するその他の求人はこちらをご覧ください。 http://www.gc-agent.com/robotjobjapan/ja/</p> <p>For further job listing of Robotics, AI, IoT, New Mobility opportunities, please check http://www.gc-agent.com/robotjobjapan/</p>
Qualifications	<p>[Must]</p> <ul style="list-style-type: none"> - Technical college or university degree related to digital circuits, analog circuits, electromagnetism, computer science, control engineering, mechatronics, or other engineering - Ability to communicate in Japanese OR English at business level or higher - Have general problem-solving skills - Circuit design of microcomputer or FPGA and its peripheral circuits (power supply, digital and analog interfaces, etc.) - Experience in FPGA logic design using HDL or IDE, and ability to create testbenches - Have basic knowledge of computer systems, especially embedded systems, or have experience working in that field - Knowledge of at least one computer architecture (e.g. ARM, x86, etc.) - Ability to create and read documentation for hardware design review - Ability to design various tests - Knowledge of protocols such as UART/USART, SPI, I2C - Basic knowledge or experience in using various equipment (oscilloscope, multimeter, logic analyzer, stabilized power supply) <p>【Desirable】</p>

	<ul style="list-style-type: none"> - Engaged in embedded hardware development for more than 3 years at previous job - Practical experience in circuit simulation using LTSpice, etc. - Have experience designing artwork for PCBs - Experience in designing FPGA systems using processor IP cores or SoC type FPGAs - Experience with embedded software development in C or C++ - Experience in real-time system development based on RTOS (e.g. FreeRTOS, vxWorks, uCLinux, etc.) - Experience with HDL testbenches and simulations - Ability to use command line tools, GNU tools, scripts - Ability to use configuration management tools. It would be nice to be able to use it from the console. - Ability to build software build environment - Have practical experience in harness design - Have industry-related degrees, certifications, or letters of recommendation - Ability to communicate in Japanese and English at conversational level or higher
Salary	JPY - Japanese Yen JPY 5500K - JPY 8000K
Salary Description	経験及び能力に応じて面談の上、採用時に決定 社会保険完備 交通費全給
Holiday Description	完全週休2日制（土・日・祝祭日） 有給休暇 慶弔休暇
Job Contract Period	正社員 Permanent