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Hardware Engineer

Job ID	1806
Contract Type	Permanent
Location	Tokyo, Japan
Apply from	Overseas Okay (to be relocated to Japan)
Work type	In-person (not remote)
Japanese Level	Not required
English Level	Business
Salary	Yearly JPY 3.5 M to JPY 5.0 M
Skills	Analog circuit design, Microcontrollers, Sensor Integration, PCB Design, Embedded Systems, Communication Protocols, Drones, UAVs, Linux, Jetson Modules, WiFi, BMS, Soldering
Minimum Requirement	<ul style="list-style-type: none"> • Bachelor's or Master's degree in electronic technology or related field • At least 3 years of experience in electronic design, development, and testing • Strong experience and knowledge in circuit design, microcontroller programming and sensor integration (3+ years) • Experience with PCB design and layout (3+ years) • Experience with embedded systems and communication protocols (UART, I2C, SPI, etc.) (3+ years) • Excellent problem solving and analysis skills • Excellent written and verbal communication skills • Strong attention to detail and ability to work in a fast-paced environment
About the company	<p>The employer is an engineering company that connects "people and people" and "technology and technology" to create value that does not exist in the world.</p> <p>Voices calling for services that are individually optimized are spreading rapidly due to rapid population and social structure changes. Innovations in essential element technologies, such as AI, information processing, and miniaturization, are progressing and making the practical use of robots that learn and provide services to humans a reality.</p> <p>Robotics technology supports people's happiness (individual desires) through automation and optimization, and it is expected that a future where humans and robots coexist will come. We have a long-term vision of realizing such a society on a space scale using flying robots.</p> <p>However, the development of robots such as current indoor drones is not accompanied by products and services tailored to the field. This is our sense of mission as a developer, production engineer, and technical salesperson who has been involved in the robotics industry for more than 10 years.</p> <p>We are with a mission to become a savior for "on-site technicians" considering the introduction of autonomous flying drones for "indoor" use and vision to realize a society where humans and robots coexist on a cosmic scale, we emphasize research and development from the field perspective and continue to create values that are not found in the world in collaboration with field technicians.</p>

<p>Roles and Responsibility</p>	<p>This work is related to the hardware design, development, and testing of autonomous flying drones in non-GNSS environments. The goal of this work is to create a robust and reliable hardware platform that meets our and our customers' requirements. No experience with drones is required, but experience with robot control and embedded control is a plus.</p> <p>Our potential customers include not only Japan, but also Singapore, Dubai, Luxembourg, France, and the rest of the world. Our engineers also come from all over the world, including Rwanda, Pakistan, India, and the United States.</p> <p>We are proud to offer the best environment for those who want to gain engineering experience using English and who want to become an engineer at a foreign company in the future.</p> <p>Specific duties include...</p> <ul style="list-style-type: none"> • Design and development of electrical and electronic systems and components for autonomous flight systems and drones • Selection and integration of sensors, cameras, controllers and communication protocols • Testing and verification of hardware designs to ensure that they meet performance and reliability requirements • Hardware and software integration • Custom hardware design and development for specific customer requirements • Technical support to other internal departments and external partners • Troubleshooting and servicing (including repairs) of hardware • Prepare technical reports on technology development and troubleshooting • Conduct PoC (Proof of Concept) of customer requests
<p>Preferred Requirement</p>	<ul style="list-style-type: none"> • Experience with autonomous drones or UAVs in general • Experience with embedded Linux • Experience with Jetson modules • Design experience for manufacturing and testing • Experience with wireless communication protocols (WiFi, BLE, etc.) • Experience with power management and battery powered systems (BMS) • Soldering skills
<p>Who you are</p>	<ul style="list-style-type: none"> • Continuously strive to create new value and provide unique contributions to society. • Motivated to work in a small start-up company with a fast-paced environment where you may need to wear multiple hats. • Able to quickly adapt to changing environments and work processes.
<p>Conditions/ Benefits</p>	<p>Employment type: Permanent</p> <p>Location: Tokyo, Katsushika-ku, Horikiri, 2-49-2 (Horikiri Development Base)</p> <ul style="list-style-type: none"> • 6 minutes walk from Horikiri-Shobuen Station via Keisei main line <p>Annual Salary: 3.5M ~ 5M yen</p>

	<ul style="list-style-type: none"> • Determined based on previous salary, skills, and experience <p>Hours: 10:00 - 18:00</p> <ul style="list-style-type: none"> • Flextime system <p>Benefits:</p> <ul style="list-style-type: none"> • Transportation expenses • Health insurance • Company housing available for rent • Housing allowance provided (with a limit) • Visa Support • Unlimited coffee and water • Quiet environment in a residential area where you can focus on development
Interview Process	<ol style="list-style-type: none"> 1. CV Screening 2. 1st interview (with the representative director) 3. 2nd Interview (if necessary) 4. Offer
How to Apply	Please send your resume and a cover letter detailing why you believe you are a strong fit for this position to asif.matservices@gmail.com