

Drone Control Engineer

	1805
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	PID Control, Microcontrollers, Image Sensor, Image Recognition, Drones, OpenCV
Minimum Requirement	<ul style="list-style-type: none"> • Basic knowledge (PID control, feedback control, response evaluation, etc.) and working experience (5+ years) in real-time object control, including embedded systems
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>
Roles and Responsibility	<p>In this role, you will develop innovative control tech for drones in non-GPS environments. No prior drone experience is needed, as long as you have experience with robot/embedded control systems. Our customers come from Japan, Singapore, Dubai, Luxembourg, & France. So, for this role, you will design and develop control algorithms for a range of drones and have an understanding of the challenges posed by non-GPS environments.</p> <p>Our engineering team is comprised of professionals from all around the world, including Rwanda, Pakistan, India, the UK, and many other countries. Not only do we provide the best environment for those seeking to gain engineering experience in</p>

	<p>English, but we also strive to be a great opportunity for those aspiring to work for foreign-affiliated companies in the future.</p> <p>You will join a team of engineers and technologists to create next-gen drone tech. So, you will be required to stay informed of drone industry developments and stay ahead of the curve.</p> <p>As Drone Controller Engineer, you will mainly be in charge of the development of drone control middleware/software using C/C++/python and image processing</p>
Preferred Requirement	<ul style="list-style-type: none"> • Experience in object control using microcontrollers or board PCs (Jetson) (flying objects are a plus) • Software design and coding for real-time control • Experience in controlling objects using image sensors (e.g. cameras) (flying objects are a plus) • Experience with basics of image recognition technology and libraries such as OpenCV • Experience in assembling robots and control devices (including experiments)
Who you are	<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.
Tech Stacks	<ul style="list-style-type: none"> • C、C++、C#、Python • Windows • Linux Ubuntu • OpenCV • ROS • ArduPilot • GitHub
Conditions/ Benefits	<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

	<ul style="list-style-type: none">• 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 Screening2. 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