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Back-end Engineer (drone operation application)

In-house Products/Hybrid Work

Job Information

Recruiter

G Talent at Bizmates, Inc.

Hiring Company

Drone Development

Job ID

1537389

Industry

Internet, Web Services

Job Type

Permanent Full-time

Location

Chiba Prefecture

Salary

5 million yen ~ 10 million yen

Work Hours

Discretionary Work System

Refreshed

May 15th, 2025 21:00

General Requirements

Minimum Experience Level

Over 3 years

Career Level

Mid Career

Minimum English Level

None

Minimum Japanese Level

Business Level

Minimum Education Level

High-School

Visa Status

No permission to work in Japan required

Job Description

[About the company]

▼ About the Company

Established in 2016, the company develops small drones specialized in the indoor inspection field and provides inspection solutions. In the field of indoor industrial drones, which are considered more difficult to implement in terms of space and communication than outdoor drones, the company is growing rapidly by leveraging its advanced technological capabilities and providing integrated solutions that include the analysis of captured images.

1. Small drone designed and developed in-house

There are many narrow, dark, and dirty places where it is difficult for ordinary industrial drones to even enter to inspect infrastructure and other facilities. For several years, the company has specialized in research and development of small drones that can be used in such environments.

While weight and size are restricted to achieve miniaturization, the company develops not only the frame, but also the battery, propeller, motor, camera, and flight controller, which is the brain of the aircraft, in-house, so that it can flexibly respond to the challenges of each company.

Based on the philosophy of contributing to improved productivity and safety in the industrial world, the company verifies each technology and structure in detail, aiming to manufacture products that can withstand industrial applications.

2. Domestically manufactured drones

The company's drones are domestically produced drones manufactured in Japan. Currently, Chinese-made drones are far ahead in the drone market, both in terms of technology and production volume, and the company is committed to domestically produced drones in order to raise Japan's technological capabilities.

In September 2020, the government announced its intention to promote the use of drones with high security performance and the use of drones by companies with well-developed security systems, and similar moves are being seen in some private companies. The demand for domestic drone manufacturers is expected to further increase in the future, and the Company is already being evaluated and used by a major manufacturing company that is promoting the use of domestic manufacturers.

3. Providing consistent services that do not end with inspection but extend to video analysis and editing

The company also focuses on technologies for editing drone-captured images into 3D, point clouds, and panoramic (ortho) images, as well as technologies that utilize artificial intelligence (AI,) and its strength is its ability to provide solutions that combine the hardware technology of drone aircraft with the software technology of image analysis and editing.

In the future, the company is also looking to develop services that promote the centralized management of digital data collected by drones to support DX in the manufacturing industry.

▼ Mission

Creating a safe society for all

▼ Vision (2030)

Visualizing Invisible Risks

【 Job Description & Requirements 】

■ Overview

You will be responsible for defining requirements, preparing specifications, and managing outsourcing for an application that operates autonomous flight drones.

You will be responsible for raising improvements to the autonomous flight drone system currently under development, planning the development schedule, and performing consistent development work from research and development to product development.

Define requirements, prepare specifications, organize issues, and provide direction for drone operation system

Negotiate with subcontractors, affiliated companies, internal stakeholders, and end-users

Project management of drone operation system development

Development of applications for drone operation systems

【 Working conditions 】

・ Annual holidays: 125 days

・ Holiday/vacation type : Two days off per week (Saturdays, Sundays, and national holidays)

・ Annual paid leave: 10 days (the minimum number of days is the number of days granted after six months of employment)

・ Summer vacation, year-end and New Year vacations, congratulation or condolence leave

*In accordance with the company calendar

Incentive: Stock option plan

Up to 30,000 yen per month

Depends on the company's regulations

Full coverage of social insurance

Attire: office casual

Lunch talk system (company pays for lunch communication once a month)

Required Skills

■Required

Experience in development using cloud servers (Azure, AWS)
Experience with database implementation (mySQL, PostgreSQL)
5+ years of implementation experience using Python, .
Knowledge of virtualization (Docker)
Knowledge of security

■Preferred

Experience in application operation
Experience in developing applications to operate service robots and drones
Experience developing desktop applications
Experience in back-end development as a lead engineer

Company Description