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Robot System Engineer

Hybrid Work★In-house Development

Job Information

Recruiter

G Talent at Bizmates, Inc.

Hiring Company

◆ Automotive Instrument Manufacturer ◆

Job ID

1543277

Industry

Internet, Web Services

Company Type

Large Company (more than 300 employees)

Job Type

Permanent Full-time

Location

Tokyo - 23 Wards, Minato-ku

Salary

7 million yen ~ 13 million yen

Work Hours

9:00~18:00

Refreshed

June 2nd, 2025 16:10

General Requirements

Minimum Experience Level

Over 6 years

Career Level

Mid Career

Minimum English Level

Business Level

Minimum Japanese Level

Business Level

Minimum Education Level

High-School

Visa Status

No permission to work in Japan required

Job Description

【About the Company】

The company has been in business for 80 years and is one of Japan's leading manufacturers. In particular, the company has overwhelming strength in the wire harness (assembled wires for automobiles) industry, and is not only employed by all domestic automobile manufacturers, but also delivers products to overseas automobile manufacturers and has the world's top class market share. The company also has the No. 1 share of the Japanese market

for digital tachographs and drive recorders for commercial vehicles. In addition, the company boasts a high market share in industrial electric wires and gas appliances. With approximately 20,000 employees in Japan alone and 250,000 worldwide in 45 countries and regions, the company is a global company with more than 60% of its consolidated sales of 1,945.4 billion yen (as of June 2019) coming from overseas.

☆AI and Digital Office

Established when an internal DX promotion project was launched. It is developing new solutions that make full use of the data possessed by the company's group.

【Job Description】

▼Organization Overview and Vision

The company's group boasts the world's top share of the wire harness (auto parts) market, with approximately 250,000 employees in 45 countries and regions around the world, and sales of approximately 2 trillion yen. In the auto industry, which is undergoing a period of change, the AI and Digital Project (currently the AI and Digital Office) was established on June 1, 2019 to promote the Group's digital transformation, including the creation of new next-generation businesses and the shift to smart factories, by utilizing the Group's data and other assets and technologies, such as AI. Currently, more than 40 projects are underway.

▼Recruitment Background

In order to create new and unprecedented businesses, the AI & Digital Department is actively hiring professionals from outside the company in various fields, such as AI engineers and people with experience in business promotion in the mobility field, etc. However, there is still a shortage of human resources for the ever-expanding projects.

▼Responsibilities

○Overview

You will be responsible for leading the development of robot systems in the smart factory area of the company's group that utilizes AI and ICT technologies.

○In the Robot System Development PJ, you will lead the development of automated conveyor systems and robot arm systems by incorporating in-house software based on commercially available robots, working as a team with in-house AI engineers.

【Robot System Development PJ】

The Robot System Development PJ consists of two major components: a PJ for the development of the company's automated conveyor system for finished products and parts, and a PJ for the development of picking systems for various parts.

There are about 7 PJ members, including a PM and an AI engineer.

▼Attractiveness of this position

Unlike robot manufacturers, there are actual fields and operational environments, such as manufacturing sites and factories, where development can proceed through repeated trial and error.

You can do "work" that is both tactile and has a large scope of influence, and you can utilize the large amount of data held by the company. (The Group has about 240,000 artisans and craftsmen, and is taking on the challenge of automating the movements of these artisans and on-site workers by converting them into data and using AI and robotics technologies.)

▼Attractiveness of the organization

Although affiliated with a large, stable company, you can work in an environment of an internal venture company where decisions are made quickly.

A culture and personnel system that encourages challenges without fear of failure (A new personnel evaluation system has been introduced that is completely different from that of the large corporation itself).

A special merit-based salary system (regardless of age, high performers are entitled to higher salaries. The salary system is different from that of the main body of large companies).

Advanced work style with a high degree of freedom (remote work and flexible work hours can be applied every day).

The organization is staffed with several professionals in each field, including a former entrepreneur, a former strategy consultant, and an AI engineer.

【Working Hour】

9:00~18:00

【Welfare】

- ・ Full social insurance
- ・ Commuting allowance

【Holiday】

- ・ Saturday/Sunday/National Holiday
 - ・ Annual Paid Leave
 - ・ New Year Holiday
- etc.

Required Skills

【Required】

*Any of the following

- Experience in ROS/ROS2 software development
- Experience in building robot system architecture
- N1 level Japanese language proficiency

【Preferred】

- Experience in developing robotic products

【Ideal Applicants】

- Able to communicate with project members and work proactively to optimize not only their own work but also the project as a whole.
- Able to work proactively to optimize the project as a whole, while communicating with project members.
- Able to work proactively to resolve issues, including timely escalation.
- Willing to work on factory automation using state-of-the-art technology
- Willing to take on the challenge of building robots and robot systems.

Company Description