



## Robotics Software Engineer

### Job Information

**Recruiter**

[Cornerstone Recruitment Japan K.K.](#)

**Hiring Company**

AI development company supporting manufacturing industry

**Job ID**

1454380

**Industry**

Software

**Company Type**

Small/Medium Company (300 employees or less)

**Job Type**

Permanent Full-time

**Location**

Tokyo - 23 Wards

**Salary**

Negotiable, based on experience

**Refreshed**

August 22nd, 2025 10:01

### General Requirements

**Minimum Experience Level**

Over 3 years

**Career Level**

Mid Career

**Minimum English Level**

Fluent

**Minimum Japanese Level**

Fluent

**Minimum Education Level**

Bachelor's Degree

**Visa Status**

Permission to work in Japan required

### Job Description

**[JOB RESPONSIBILITIES]**

- Development, optimization and maintenance of perception algorithms for our products using ROS2, focusing on, but not limited to, LiDAR data processing.
- Integration of perception components into the system and maintenance of the interfaces.
- Establishment of testing procedures to ensure the stability, functionality, and performance of the perception components.
- Troubleshooting perception-related technical issues in our systems, proposing and implementing effective solutions to

them.

- Continuous enhancement of the performance, efficiency, and scalability of the perception algorithms and components.
- Close collaboration with fellow perception engineers and other teams to ensure seamless integration of perception components into the automation software.

## [REQUIREMENTS]

### Mandatory:

- Bachelor's, Master's degree or higher in Computer Science, Robotics, Electrical Engineering or a related field. Candidates without a degree must have significant software development experience.
- 2+ Years of experience as a Software Engineer in a collaborative environment.
- Experience using ROS2 or ROS and a good understanding of its capabilities.
- Proficiency with C++ or Python, experience of work in a large codebase.
- Strong understanding of software versioning and working knowledge of Git.
- Experience with perception algorithms development, particularly for point cloud data processing, using libraries such as OpenCV, Open3D, and PCL.
- Excellent communication skills, with a proven ability to work in dynamic environments.
- Proficiency in English.

### Desirable:

- Experience of working in the robotics industry.
- Strong knowledge of best practises in software development.
- Familiarity with Deep Learning frameworks such as TensorFlow and PyTorch.
- Proficiency with C++ AND Python.
- Experience working in a remote Linux environment.
- Good understanding of containerization and experience using Docker.
- Familiarity with Agile and the Scrum methodology.
- Excellent problem-solving, organizational and analytical skills, with the ability to evolve product strategy based on research, data and industry trends.
- Proficiency in Japanese.

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## Company Description

**Cornerstone Recruitment Japan is focused on placing bilingual professionals in a wide range of market leading companies.**

Focusing across all sectors, we leverages the network of our experienced consultants to provide both clients and candidates with high end service levels and most importantly results.

We are passionate about helping our clients in securing the best talent on the market, by introducing unique profiles who can give them the edge in an increasingly competitive recruitment market.

Established in 2019, in partnership with Cornerstone Global Partners and with investment from Morgan Stanley, Cornerstone Recruitment Japan strives to be the recruitment partner of choice for all Tokyo based clients and candidates.

### Our Mission

The Cornerstone. As every building requires a cornerstone, we believe people are the cornerstone of every great company. Our recruitment experts are passionate about bringing together great people with great companies.

### Our Business Sectors

- Accounting & Finance
- Financial Services
- Human Resources and Office Professionals
- Industrial
- Information Technology
- Legal & compliance
- Life Science
- Supply Chain & Procurement
- Marketing
- Sales

## **Our Services**

### **• Contingency**

Many clients choose to utilize our success based contingent recruitment service. We take the time to fully understand the job brief before presenting a tailored shortlist of 5 to 6 candidates from our expansive existing network. This service comes with no obligation to hire and our clients only pay a fee when the successful candidate joins.

### **• Retained**

Our retained service is particularly successful for clients with high profile/critical hiring needs, or niche searches that involve a significant amount of time unearthing candidates from outside our existing network. Clients who choose our retained service benefit from the introduction of exclusive headhunted candidates and top prioritization from the Cornerstone team.

### **• Market Entry**

With a wealth of experience in the Japan market, our consultants have successfully helped many clients enter the Japan market. We can help you secure that critical first hire, as well as providing a consultation service, to make sure that your business is well prepared for all the initial hurdles it will face.