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Senior Backend Engineer | Global Manufacturing Business

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Job Information

Recruiter

G Talent at Bizmates, Inc.

Hiring Company

Global company aiming to promote DX in the manufacturing industr

Job ID

1497762

Industry

Internet, Web Services

Job Type

Permanent Full-time

Location

Tokyo - 23 Wards, Taito-ku

Salary

7 million yen ~ 10 million yen

Work Hours

Flextime System

Holidays

Saturday/Sunday/National Holiday, Annual Paid Leave, etc.

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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]

[Unleashing the potential of the manufacturing industry]

The company will create a society in which all people involved in manufacturing can maximize their inherent power. To achieve this goal, they will create a "new mechanism" that will change the common sense of industry.

Busy with estimating and administrative tasks, lacking sales skills, and lacking information and networks.

By untying these shackles, the potential of each company can be unleashed.

From small factories in town, to large manufacturers with a long history, to start-ups in their early years, all manufacturing companies will shine by leveraging their strengths to create new value.

They will continue to take on the challenge to open up such a future.

◆ Flat organization

Regardless of your position, team, previous experience, gender, age, etc., you can express your opinions and immediately incorporate what is good.

◆ Excellent members

The team is made up of members who have been active in leading companies. You will have an environment where there is a growth and stimulation every day.

◆ Engineer Driven

Since they are operating in a field where there are no precedents yet in the world, technical skills are extremely important, and engineers play a leading role.

 ◎A service that uses automated quotation technology to connect custom-orderers with processing companies.

The manufacturing industry is Japan's key industry, boasting a gross domestic product of 180 trillion yen.

In fact, about 120 trillion yen of that is accounted for by the cost of parts procurement.

Despite this large percentage, there has been no major innovation in the procurement field for over 100 years.

In particular, parts procurement for the high-mix low-volume production industry, which accounts for about one-third of the total, has been facing various social issues on both the ordering and receiving sides, such as the time and effort required for ordering and quotation, procurement costs, and the high deficit ratio on the production side.

They believed that by solving these problems, manufacturers not only in Japan but also around the world would be able to focus on higher value-added work and maximize the potential of the manufacturing industry as a whole.

So, the company developed the world's first service that uses automated quotation technology to connect custom-orderers with processing companies.

[Job Description]

Recruitment Background

The company is on a mission to "Unleash the potential of the manufacturing"

They operate two businesses: "CADDi MANUFACTURING" a one-stop procurement and manufacturing partner, and "CADDi DRAWER" a cloud-based system that supports digital transformation centered on the use of drawings, the most important data in the manufacturing industry.

Launched in 2022, "CADDi DRAWER" is a groundbreaking product that uses technologies such as machine learning to structure and link critical design data, considered vital in the manufacturing sector. This innovation transforms this data into valuable informational assets. Already, the company has received significant adoption from leading domestic manufacturing companies and machining firms. In 2023, they expanded the sales efforts to international markets, including the United States and Vietnam.

The company's vision for the future is to replicate and consolidate manufacturing expertise through technology, extending beyond blueprints to achieve holistic optimization across departments and companies. They aspire to transform the customers' workstyles and cultures, ultimately driving a revolution in the entire manufacturing industry. To help them shape such a world, they are looking for new members to join the team.

Job Responsibilities

This position is for the CADDi DRAWER Group Emerald Team, the Platform Team based on Team Topologies, that collaborates with other teams to provide a solution to run heavy workloads in an asynchronous way. The team's mission is to provide and maintain a platform to execute tasks in an orchestrated, concurrent, and scalable way.

Some examples of the tasks the platform deals with are drawing conversion, attribute extraction, ML-based drawing features analysis, etc.

The team actively uses Kubernetes to run a workflow engine and Rust to define domain logic, executed as workflow steps.

Specific duties examples are:

Platform design and implementation

Verification of middleware, frameworks, etc.

System architecture design

Cost/performance tuning

* Besides the team we are recruiting for this time, you may be assigned to other teams depending on your experience and preferences. (In that case, we would be happy to discuss this with you at the interview.)

* After joining the company, your role may change due to organizational growth or an individual's career perspective.

■Development Environment

Development language

Frontend: HTML, CSS, TypeScript

Backend: Rust, TypeScript, Python

Frameworks

Frontend: React, Apollo, Next.js, WebGL, WebAssembly

Backend: Rust (Tokio, tonic, Diesel, axum, SeaORM), Node.js (Express, Fastify, NestJS), PyTorch

Infrastructure: Google Cloud, Google Kubernetes Engine, Istio

Database: PostgreSQL, Firestore

API: GraphQL, REST, gRPC

Authentication: Auth0

Development tools: GitHub, GitHub Copilot, Github Actions, Terraform, Figma, Sentry, DataDog, Storybook

Communication tools: Slack, Discord, JIRA, Miro

[Working conditions & treatment]

Flextime System

- Saturday/Sunday/National Holiday
 - Special Paid Leave
 - Congratulations & Condolence Leave)
 - Bereavement Leave
 - Refresh Leave
 - Summer Holiday
-
- Full Social Insurance
 - Commuting Allowance
 - Child Allowance
 - Medical Checkup
 - Training/Self Development Allowance
 - Commuting allowance (up to 30,000 yen)
 - Vacation (summer vacation, year-end and New Year's vacation, refreshment vacation, bereavement vacation, etc.)
 - Subsidies (moving subsidies, child allowances, marriage congratulation money, etc.)
 - Medical checkups
 - Office medicine
 - Office convenience store
 - Learning support (book purchase system, language learning support, manufacturing experience, external training support, etc.)
 - Company-wide awards
 - Club activities
 - Engineers can apply for a PC and display with their desired specifications.
- ※The maximum amount is 400,000 yen, within which you can also purchase accessories for the PC.
- ※The PC replacement cycle should be at least two years.

Required Skills

■Required Qualifications

5+ years of hands-on experience developing backend systems for web applications

Hands-on experience operating services using Kubernetes

Hands-on experience with statically typed programming languages, such as Rust, Scala, Go, Java

Hands-on experience in two or more programming languages (including frontend languages, including personal projects).

Experience in decision-making regarding technology selection and architecture design and construction for the entire service.

Fundamental knowledge of data structures and algorithms.

Experience in development using public cloud platforms such as AWS, Google Cloud, etc.

Team development skills using Git/GitHub.

Business-level English proficiency

*team communication is mainly in English.

Conversational-level Japanese proficiency (Japanese Language Proficiency Test N2 or above is a guideline; external communication is a mix of Japanese and English).

■Preferred Qualifications

Hands-on experience designing, developing and operating microservices

Hands-on experience developing websites with consideration of security requirements

Hands-on experience designing and developing large-scale services

Proficiency with container technologies such as Docker

Experience in using relational databases.

Experience in building and operating monitoring infrastructure using tools like Datadog.

■Mindset

Individuals who understand our mission "Unleash the potential of manufacturing".

Individuals who can confront essential challenges and take action with a sense of ownership to resolve them.

Individuals who can perform their duties with a positive attitude and constructive discussions in fast-changing and highly uncertain situations.

Individuals who can communicate and discuss with a respectful attitude, considering the context and resolution of others.

Company Description