

# No Japanese Required Backend Engineer

## **English speaking role**

### Job Information

### Recruiter

**PROGRE Ltd** 

### **Hiring Company**

Al company

## Job ID

1561704

### Industry

Internet, Web Services

### **Company Type**

Large Company (more than 300 employees)

## Non-Japanese Ratio

About half Japanese

### Job Type

Permanent Full-time

### Location

Tokyo - 23 Wards, Shinjuku-ku

## Salary

7 million yen ~ 13 million yen

## **Salary Bonuses**

Bonuses included in indicated salary.

# **Work Hours**

10:00~19:00

# Holidays

完全週休二日制 所定休日:土·日·祝日 休暇:年次有給休暇、夏季休暇(3日)、年末年始休暇(12月31日~1月3日)、 慶弔休暇

## Refreshed

November 26th, 2025 00:00

## General Requirements

## **Minimum Experience Level**

Over 6 years

### **Career Level**

Mid Career

## Minimum English Level

Business Level (Amount Used: English Only)

## Minimum Japanese Level

None

## **Minimum Education Level**

Bachelor's Degree

# Visa Status

Permission to work in Japan required

### Job Description

#### **Role Summary**

As a Backend Engineer, you will lead the design, development, and operation of backend systems for a product suite. You will design and build scalable, robust backend architectures and technical foundations for next-generation products utilizing Al agent technologies and large language models. We expect you to contribute to enhancing product value through collaboration with cross-functional teams.

### Why You'll Love This Role

#### · Cutting-edge voice AI technology challenges:

Work on next-generation voice dialogue systems combining ASR/TTS/LLM technologies

#### · Real-time processing expertise:

 Build highly marketable expertise through designing and operating low-latency voice streaming infrastructure using WebRTC/Twilio

## · Frontline of customer problem-solving:

 Engage directly with customers across diverse industries and experience the impact of solving their challenges with technology

### · Socially impactful product development:

Work on high-impact projects directly contributing to corporate productivity improvements, such as call center
efficiency and sales support

### . Collaboration with diverse talent:

Grow in a stimulating environment working alongside talented members from diverse backgrounds including Al
engineers, SREs, PdMs, Sales, and CS

### Balance of personal and organizational growth:

 Thrive in a dynamic field that balances individual growth with organizational development while adapting flexibly to rapid change

### Responsibilities

### · Al Product Development

- Design, develop, and operate backend systems for Al products
- Implement AI agent systems utilizing large language models (LLMs)
- Develop APIs for real-time speech processing and speech synthesis systems
- Build and optimize natural language processing pipelines

### · System Architecture & Infrastructure

- Design distributed systems using microservices architecture
- Design and implement scalable APIs for high-traffic scenarios
- · Containerization and Kubernetes operations on GCP
- Database design and query optimization for large-scale data processing

# • Development Process & Quality Improvement

- Build and improve CI/CD pipelines
- Promote code reviews and test automation
- Build monitoring and log analysis systems
- Implement and operate based on security requirements

### . Machine Learning & Al Integration

- Integrate and deploy machine learning models to production environments
- Build and operate MLOps pipelines
- Optimize inference API performance and reduce latency
- Develop A/B testing infrastructure and support data analysis

# Team Collaboration & Technical Leadership

- Collaborate with cross-functional teams (designers, product managers, project managers)
- Participate in technical selection and architecture decisions
- Research new technologies, build prototypes, and conduct technical validation
- Improve and automate development processes

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Work Style

Hybrid work model: 3 days in the office, 2 days remote.

## Required Skills

## Minimum Qualifications

- Bachelor's degree in Computer Science, Software Engineering, Artificial Intelligence, Machine Learning, Mathematics, Physics, or related fields, or equivalent practical experience
- 5+ years of application development experience using Python
- 3+ years of experience developing complex SaaS products or high-traffic B2B products
- 3+ years of experience with cloud services (AWS, GCP, Azure) and container technologies (Docker, Kubernetes)
- Experience working at startups or growth-stage companies, or equivalent environments
- · Knowledge of and passion for Al-related technologies
- Language requirements (either):
  - Japanese: Fluent (able to discuss product development without misunderstandings)
  - English: Business level

## **Preferred Qualifications**

- Experience building systems utilizing natural language processing or machine learning
- Experience developing machine learning models with Python, TensorFlow, or PyTorch
- Experience with chatbot, speech recognition systems, or Al agent development
- $\bullet$  Experience launching new businesses/products from the  $0\!\to\!1$  phase
- · Full-stack application development experience
- Bilingual (Japanese/English)

## Company Description