



## Senior Backend Engineer

**A rapidly expanding AI company**

### Job Information

**Recruiter**

PROGRE Ltd

**Job ID**

1519021

**Industry**

Internet, Web Services

**Company Type**

Large Company (more than 300 employees)

**Non-Japanese Ratio**

Majority Japanese

**Job Type**

Permanent Full-time

**Location**

Tokyo - 23 Wards

**Salary**

8 million yen ~ 16 million yen

**Refreshed**

April 28th, 2025 04:00

### General Requirements

**Minimum Experience Level**

Over 6 years

**Career Level**

Mid Career

**Minimum English Level**

Fluent (Amount Used: English Only)

**Minimum Japanese Level**

None

**Minimum Education Level**

Bachelor's Degree

**Visa Status**

Permission to work in Japan required

### Job Description

You will be responsible for enhancing and optimizing the AI Agent Framework, which is utilized across our organization.

This position involves leading the implementation of complex features, such as a high-speed, scalable, multi-tenant runtime environment and interactions between multiple agents, while collaborating with internal and external development teams.

#### Responsibilities

Design and develop the AI Agent Framework:

- Lead the development of core components, primarily in Python, to create a robust and scalable framework.

Build architectures for agent collaboration:

- Develop systems that enable seamless interaction and cooperation between AI agents, ensuring extensibility and adaptability.

Implement and operate scalable runtime environments:

- Create multi-tenant runtime environments optimized for real-time inference and performance in cloud-native settings.

Collaborate with research teams:

- Work closely with researchers to translate cutting-edge advancements in LLMs and AI Agents into practical product features.

Lead the team:

- Drive technical decision-making, improve development processes, and mentor other engineers to foster their growth.

Optimize performance:

- Continuously enhance system performance, ensuring reliability and efficiency in large-scale deployments.

This role offers the opportunity to work on groundbreaking technologies that push the boundaries of AI and software engineering.

Tech Stack

Languages: Python (for framework development), TypeScript / React / Next.js (for frontend development)

Infrastructure: GCP (containers / Kubernetes), Docker

Tools: Slack, Confluence, Jira, Google Workspace, GitHub

Work Environment: Mac (Apple Silicon), dual monitors available, access to AI assistants like in-house GPT tools and GitHub Copilot

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## Required Skills

- A bachelor's or master's degree in Computer Science or a related field, or equivalent practical experience.
- 5+ years of hands-on experience in backend development using Python, Java, or similar languages.
- A strong foundation in algorithms, data structures, and computer science fundamentals, with the ability to implement them in real-world scenarios.
- Experience with cloud platforms (AWS, GCP, or Azure) and container technologies (Docker, Kubernetes).
- A deep interest in LLMs and AI Agents, with a passion for staying up-to-date with the latest advancements in the field.
- Business-level communication skills in either English or Japanese (proficiency in one is required).

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## Company Description