

## Search Systems Engineer (Python) - E-commerce Platform

### Python Engineer - E-commerce Platform

#### Job Information

**Recruiter**[Michael Page](#)**Job ID**

1577354

**Industry**

Software

**Job Type**

Temporary

**Location**

Tokyo - 23 Wards

**Salary**

Based on hourly rate

**Hourly Rate**

¥3000 - ¥5000

**Refreshed**

February 6th, 2026 18:45

#### General Requirements

**Career Level**

Mid Career

**Minimum English Level**

Daily Conversation

**Minimum Japanese Level**

Business Level

**Minimum Education Level**

Bachelor's Degree

**Visa Status**

Permission to work in Japan required

#### Job Description

This role focuses on designing search schemas and developing internal support systems that help multiple online services deliver fast, relevant search results. You will work closely with search specialists and business teams to turn requirements into robust, scalable technical solutions.

**Client Details**

Our client is a leading Japanese internet services company operating major e-commerce and digital platforms with a large domestic user base. Their dedicated search technology team supports multiple services, using data and modern engineering practices to continuously improve user search experiences.

**Description**

In this role, you will:

- Design and optimize search schemas to support various business and product needs
- Support consultants and internal stakeholders on how to best utilize the search engine

- Develop and maintain search support systems using Python and related technologies
- Contribute to tools (e.g., web-based dashboards, internal applications) that make search operations more efficient and higher quality
- Collaborate with engineers, analysts, and product members to analyse search data and improve search logic
- Document specifications, design decisions, and operational procedures clearly for internal users

## Job Offer

- Opportunity to influence search architecture used across multiple major online services in Japan
- Hands-on ownership of internal tools that directly improve search quality and operational efficiency
- Exposure to modern technologies (Python, web frameworks, search engines, data analysis tools)
- A role where you can combine technical development with consultation support and problem solving
- Career development in a specialized search engineering and data-driven environment

To apply online please click the 'Apply' button below. For a confidential discussion about this role please contact Serena Wu on +81 3 6627 6137.

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## Required Skills

### Must-have

- 2+ years of hands-on software development experience in a professional setting
- Practical development experience with **Python**
- Basic understanding of databases (relational or NoSQL), including schemas and queries
- Native or fluent **Japanese** communication skills (written and spoken)
- Daily conversation level **English** (目安 : TOEIC600程度) for reading documentation and simple communication

### Nice-to-have

- 3+ years' development experience using Python in production environments
- Experience operating databases including **schema design** and performance considerations
- Experience with web application development (e.g., frameworks like Next.js or similar)
- Interest in search technologies, information retrieval, or large-scale data handling
- Ability to work collaboratively with non-engineers and explain technical topics in simple terms

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## Company Description

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