



## AI Engineer

Retail

### Job Information

**Recruiter**

[Skillhouse Staffing Solutions K.K.](#)

**Job ID**

1582064

**Industry**

Retail

**Company Type**

Large Company (more than 300 employees) - International Company

**Job Type**

Permanent Full-time

**Location**

Tokyo - 23 Wards

**Salary**

7 million yen ~ 9 million yen

**Work Hours**

9 : 30-18 : 00 月-金

**Holidays**

完全週休2日制（土日祝休み）、年末年始、年次有給休暇

**Refreshed**

April 9th, 2026 03:00

### General Requirements

**Minimum Experience Level**

Over 3 years

**Career Level**

Mid Career

**Minimum English Level**

Business Level

**Minimum Japanese Level**

Business Level

**Minimum Education Level**

High-School

**Visa Status**

Permission to work in Japan required

### Job Description

A major retail brand is looking for a strong **AI Engineer** to support the company's digital transformation by designing and implementing AI-driven solutions for retail operations and customer services.

The engineer will work with business teams and IT stakeholders to identify opportunities where AI, automation, and data-driven solutions can improve operational efficiency across systems such as POS, inventory management, customer analytics, and e-commerce platforms.

**Responsibilities:**

- Identify opportunities to apply AI and machine learning solutions to improve retail operations and customer experience
- Gather business requirements and translate them into AI/ML solution designs
- Develop and deploy AI models, automation tools, or data-driven applications
- Integrate AI solutions with existing enterprise systems (POS, inventory, CRM, e-commerce platforms)
- Collaborate with internal teams and external vendors to deliver AI initiatives
- Work with cloud platforms (AWS, Azure, etc.) to build scalable AI solutions
- Create technical documentation and system design documents in Japanese
- Support ongoing improvement of AI solutions through monitoring and optimization

**Why should you apply:**

- Major retail brand
- Competitive compensation, centrally located office (Ikebukuro), and a positive, collaborative work environment
- A leadership role where you can leverage your experience in system development and project management

**Company Details**

The company operates department stores in Japan, offering a wide range of products and services primarily in urban areas. Internationally, it expands its business through licensing of its proprietary brands, and also engages in corporate services and trading businesses.

**Working Hours:** 09:00–18:00, Monday to Friday

**Working Style:** 5 days per week in the office

**Holidays:** Saturdays, Sundays, public holidays, year-end/New Year holidays, paid leave, and other special leave

**Services/Benefits:** Comprehensive insurance coverage, employees' pension plan, discounted cafeteria, overtime pay

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**Required Skills**

- 3+ years of experience in AI, Machine Learning, or Data Engineering roles
- Experience developing solutions using Python or similar programming languages
- Experience with AI/ML frameworks or tools (TensorFlow, PyTorch, Scikit-learn, etc.)
- Experience working with data pipelines, APIs, and system integrations
- Understanding of cloud platforms such as AWS or Azure
- Ability to gather requirements and communicate technical solutions with stakeholders
- Ability to read and write technical documents in Japanese

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**Company Description**