



[English Only] AI Engineer (Predictive Analytics)

Long-term and stable project

Job Information

Recruiter

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

Job ID

1586739

Industry

Insurance

Company Type

Large Company (more than 300 employees) - International Company

Non-Japanese Ratio

Majority Non-Japanese

Job Type

Contract

Location

Tokyo - 23 Wards

Salary

9 million yen ~ 10 million yen

Holidays

National Holidays, Weekends, Paid Holiday, etc.

Refreshed

April 15th, 2026 13:50

General Requirements

Minimum Experience Level

Over 6 years

Career Level

Mid Career

Minimum English Level

Business Level

Minimum Japanese Level

None

Minimum Education Level

Bachelor's Degree

Visa Status

Permission to work in Japan required

Job Description

Responsibilities:

- Model Development: Design, train, and deploy predictive models and LLM-based applications (RAG) using Azure Machine Learning and Azure AI Foundry.
- Data Integration: Collaborate with our data engineering team to consume high-volume data (Parquet, CSV, Text) from ADLS and Synapse.
- App Architecture: Build serverless AI orchestration layers using Azure Functions to bridge models with end-user

applications.

- Storage Optimization: Utilize Azure AI Search for low-latency retrieval of AI outputs and metadata storage.
- Operational Excellence: Implement MLOps best practices and integrate AI workflows into CI/CD pipelines for automated deployment.

Why should you apply:

- Long-term and stable project in a global insurance leader
- Hybrid work setup with a collaborative, international team
- Career growth opportunities within a diverse and inclusive environment

Required Skills**Required Skills:**

- 5+ years of hands-on experience building and operating production-grade AI/ML pipelines with a focus on scalability and reliability
- Strong proficiency in Python and experience with AI/ML libraries such as PySpark, Pandas, NumPy, LangChain, and Hugging Face
- 3+ years of experience working with Generative AI / LLMs (e.g., OpenAI, Copilot), including API integration, prompt engineering, and RAG-based solutions
- Experience with feature engineering and processing large-scale structured datasets (e.g., Parquet, Spark)
- Strong hands-on experience with Azure cloud services, including Azure Machine Learning, Azure OpenAI, and Azure AI Foundry
- Solid understanding of data platforms such as Azure Data Lake Storage (ADLS), Synapse Analytics, and NoSQL databases like Cosmos DB
- Experience with backend development (e.g., Azure Functions) and implementing CI/CD pipelines using Azure DevOps or GitHub Actions
- Strong business mindset with the ability to translate data insights into measurable outcomes, supported by a solid foundation in AI/ML and statistical concepts

Company Details:

A US based world's leading insurance provider, offering a broad range of life, health, and retirement solutions to individuals, families, and businesses. The company is heavily invested in digital transformation, utilizing advanced technologies like cloud computing, data analytics, AI, and cybersecurity to enhance customer experience and streamline operations. As part of its values, it has a strong focus on creating a diverse environment, and in particular on the appointment of women in high-level position.

Working Hours: 9:00 - 18:00 (Mon-Fri)

Working Style: 3 days' work in office, and 2 days' work from home

Holidays: Saturday, Sunday, National Holidays, Year-end and New Year Holidays, Paid Holidays

Services/Benefits: Transportation expenses up to 20,000 yen per month, plus Paid leave, plus social insurance (health insurance, welfare pension, and work-related accident insurance), Periodic health examination, and Employment insurance

Company Description