Senior Data Scientist - GenAI, LLM & NLP

Build Production AI & LLM Solutions

Job Information

Recruiter
SThree K.K.

Job ID
1619506

Industry
Internet, Web Services

Job Type
Temporary

Location
Tokyo - 23 Wards

Salary
Based on hourly rate

Work Hours
9am to 5:30pm (hybrid)

Refreshed
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General Requirements

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Daily Conversation Level

Minimum Education Level
Bachelor's Degree

Visa Status
No permission to work in Japan required

Job Description

Our client is a leading technology-focused organization operating one of the largest digital ecosystems in Japan. Their data platform team is responsible for managing and enriching large-scale product and business data used across multiple services and platforms.

The team leverages machine learning, natural language processing, large language models, and cloud technologies to automate data enrichment, improve data quality, and drive business value through AI-powered solutions.

This is an opportunity to work on real-world AI applications at scale, collaborating closely with engineering, product, and business stakeholders while bringing cutting-edge AI solutions from concept through production.

Senior Data Scientist (GenAI / NLP / LLM)

We are looking for an experienced Data Scientist to help design, develop, and deploy AI-powered solutions that improve and enrich large-scale data platforms.

This is a highly hands-on role where you will work across the entire data science lifecycle, from exploratory analysis and hypothesis testing through model development, evaluation, deployment, and continuous improvement.

Responsibilities

- Analyze large-scale structured and unstructured datasets to identify patterns, opportunities, and data quality issues
- Translate business challenges into practical machine learning and AI solutions
- Design and develop NLP and LLM-based applications
- Build data enrichment and automation solutions using state-of-the-art AI technologies
- Evaluate model and LLM performance using statistical methodologies and evaluation datasets
- Develop scalable data processing pipelines using cloud technologies
- Partner with engineering teams to integrate AI solutions into production environments
- Drive data-informed decision making through analysis, experimentation, and stakeholder communication
- Improve existing manual processes through intelligent automation and AI-driven workflows

Technology Stack

- Python
- SQL
- GCP / BigQuery
- Azure OpenAI / OpenAI
- Generative AI
- LLMs
- NLP
- RAG
- Git
- Cloud-based data platforms

Why Join?

- Work on cutting-edge AI and GenAI initiatives
- Build real-world production systems rather than research-only projects
- Large-scale datasets and impactful business challenges
- International working environment
- Long-term project with strong growth potential

Location

Tokyo, Japan

Work Style

- Hybrid work environment

Required Skills

Required Experience
- 5+ years of experience in Data Science, Machine Learning, AI Engineering, or related fields
- Strong Python development skills
- Advanced SQL skills and experience working with large datasets
- Practical experience with Machine Learning and NLP
- Experience designing and implementing production AI solutions
- Hands-on experience with LLM-based applications
- Ability to perform exploratory data analysis and hypothesis-driven problem solving
- Strong communication skills and ability to work with both technical and non-technical stakeholders

Preferred Experience
- Azure OpenAI or OpenAI APIs
- Retrieval-Augmented Generation (RAG)
- Prompt Engineering
- AI Agents
- GCP / BigQuery
- LLM Evaluation Frameworks
- LLMOps
- Search & Retrieval Systems
- Knowledge Graphs
- AI-assisted software development tools

Language Requirements (Important)
Japanese: Conversational level minimum (Business level preferred)

English: Business level

Please note that due to project requirements, we will only contact candidates who possess at least conversational-

level Japanese language ability. Applications from candidates without Japanese communication skills will not be considered.

Company Description

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