

Bilingual Data Scientist (AI/LLM)

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Job Information

Recruiter
Michael Page

Job ID
1623786

Industry
Internet, Web Services

Job Type
Temporary

Location
Tokyo - 23 Wards

Salary
6.5 million yen ~ 8.5 million yen

Refreshed
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General Requirements

Career Level
Mid Career

Minimum English Level
Fluent Level

Minimum Japanese Level
Business Level

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

Join a growing data science team focused on improving the quality, structure, and usability of large-scale product and catalog data. You'll combine machine learning, NLP, LLM technologies, and statistical analysis to develop production-ready solutions that directly influence business decisions and platform performance.

Client Details

Our client is a leading global digital commerce and technology organization operating a large-scale data ecosystem. The company invests heavily in AI, machine learning, and data-driven innovation to improve customer experiences and business operations across multiple services.

Description

- Translate business challenges into scalable data science initiatives and technical solutions.
- Analyze large-scale Japanese text and catalog datasets to uncover insights and identify data quality issues.
- Design, develop, and deploy machine learning models and AI-powered solutions.
- Build and improve LLM-based applications, including enrichment, normalization, and automation workflows.
- Redesign manual processes and support the transition to AI-assisted and agent-based workflows with human oversight.

- Evaluate model performance and AI outputs through statistical methods, testing frameworks, and evaluation datasets.
- Conduct exploratory data analysis, hypothesis testing, and data-driven experimentation.
- Collaborate with engineering and data teams to integrate solutions into production data pipelines.
- Communicate findings and recommendations clearly to technical and non-technical stakeholders.

Job Offer

- Opportunity to work on high-impact AI and data science initiatives at scale.
- Exposure to cutting-edge technologies including LLMs, NLP, and cloud-native data platforms.
- End-to-end ownership from problem definition through production deployment.
- Collaborative environment with experienced data, engineering, and AI professionals.
- Significant influence on data quality, automation, and business outcomes.
- Career growth within a large, technology-driven organization.

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.

Required Skills

- 5+ years of professional experience in Data Science, Machine Learning, NLP, or a related field.
- Strong Python programming skills for data processing, analytics, and model development.
- Hands-on experience with supervised machine learning techniques and model evaluation.
- Experience working with Natural Language Processing (NLP) applications.
- Ability to analyze and derive business insights from Japanese-language text data.
- Experience building or improving LLM-powered applications such as prompt engineering, RAG workflows, function calling, or structured output solutions.
- Strong SQL skills, including data extraction, aggregation, and exploratory analysis using platforms such as BigQuery.
- Solid understanding of statistics, hypothesis testing, and model validation techniques.
- Strong problem-solving skills with the ability to balance technical complexity, cost, and business impact.
- Experience using Git in a collaborative development environment.
- Business-level Japanese and business-level English communication skills.

Preferred Qualifications

- Experience using LLM APIs such as Azure OpenAI in production environments.
- Knowledge of LLMOps, evaluation frameworks, observability, guardrails, and AI governance practices.
- Experience improving search and retrieval quality, including embeddings and reranking approaches.
- Familiarity with AI coding assistants such as Cursor or Claude Code.
- Experience with experimentation design, causal inference, and metric definition.
- Experience with BI tools such as Looker Studio and stakeholder-facing data storytelling.
- Knowledge of knowledge graphs, ontologies, or graph-based data models.
- Experience working within GCP environments, particularly BigQuery and cloud-based pipelines.
- Strong ownership mindset and the ability to thrive in a fast-paced environment.

Company Description

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