PROGRE

Data Engineer　AI Division

Job Information

Recruiter
PROGRE Ltd

Hiring Company
Delivering AI-driven investment and financial solutions company

Job ID
1566197

Industry
Internet, Web Services

Company Type
Small/Medium Company (300 employees or less)

Non-Japanese Ratio
About half Japanese

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards, Chiyoda-ku

Salary
8 million yen ~ 12 million yen

Work Hours
9:00 – 18:00

Holidays
土日祝日、年末年始および会社指定日

Refreshed
February 12th, 2026 03:00

General Requirements

Minimum Experience Level
Over 6 years

Career Level
Mid Career

Minimum English Level
Business Level (Amount Used: English usage about 50%)

Minimum Japanese Level
Daily Conversation

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

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As a Data Engineer in our AI Division, you will play a key role in designing, developing, and maintaining scalable, reliable,

and high-performance production systems for financial data and AI-driven investment products. You will work closely with data scientists and other engineers to manage end-to-end data pipelines and contribute to product innovation.

Key Responsibilities:

- Design, develop, and maintain production-grade data pipelines and systems for financial data.
- Collect requirements and manage end-to-end data workflows from ingestion to shutdown.
- Collaborate with data scientists to implement and optimize data pipelines.
- Evaluate and integrate new data sources, negotiate onboarding, and ensure compliance with data usage licenses.
- Assess new technologies and drive innovation to enhance products.
- Improve and maintain existing products and infrastructure.

Required Skills

Required Qualifications

- Japanese (reading and writing, JLPT N3 or above).
- Residing in Japan.
- Bachelor's degree in Computer Science or a related field with at least 5 years of practical experience.
- Solid understanding of computer science fundamentals, from low-level to high-level system structures.
- Proficiency in Python, including Pandas and NumPy.

Preferred / Advantageous Skills:

- Experience with big data and out-of-core processing.
- Knowledge of infrastructure and DevOps practices.
- Hands-on experience with cloud platforms (AWS, GCP, Azure).
- Experience with data pipelines and workflow engines (Airflow, ArgoWorkflow, Prefect).
- Software engineering experience.
- Database management and monitoring knowledge.
- Business-level Japanese and English skills.
- Familiarity with Golang, Rust, or Java.
- Financial data handling experience (FX, stocks, ETFs).
- Streaming data processing and protocol experience.
- Experience with monitoring tools (e.g., DataDog) and ML frameworks (scikit-learn, PyTorch, TensorFlow, Chainer).
- Project and team management experience.
- Terraform experience for managing AWS resources (RDS, S3, Athena, EC2, EKS, Lambda, VPC, DynamoDB, Redshift).

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