



PR/120257 | Data Engineer

Job Information

Recruiter

JAC Recruitment Thailand

Job ID

1609898

Industry

Other (Manufacturing)

Job Type

Permanent Full-time

Location

Thailand

Salary

Negotiable, based on experience

Refreshed

September 1st, 2026 10:43

General Requirements

Minimum Experience Level

Over 3 years

Career Level

Mid Career

Minimum English Level

Daily Conversation

Minimum Japanese Level

None

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

Position: Data Engineer

Salary package: 40,000 THB / mth

Location: Mueang, Chonburi

Responsibilities:

- Data Engineering & Infrastructure
- Design and maintain robust ETL/ELT pipelines to ingest data from diverse sources including PLC/CNC (FANUC, Mitsubishi), IoT sensors, MES, ERP, and CMMS.
- Design and manage Data Warehouse/Lakehouse schemas, ensuring high data quality and metadata management.
- Develop streaming platforms for real-time monitoring of machine utilization, downtime alerts, and shop-floor metrics.

- Build and deploy models for Anomaly Detection and Remaining Useful Life (RUL) estimation using time-series analysis (ARIMA, LSTM, Prophet).
- Use data to identify production bottlenecks, optimize setup/changeover times, and improve overall throughput.
- Analyze repair history and machine logs to identify failure patterns and extend MTBF (Mean Time Between Failures).
- Create high-impact dashboards (Power BI / Tableau) to embed data-driven insights into daily operations.
- Conduct pre-post comparisons, A/B testing, and Design of Experiments (DOE) to measure the actual ROI of process improvements.

Qualifications

- 3+ years in Data Engineering, Data Science, or Manufacturing Analytics.
- Proficiency in Python (Pandas, Numpy, Scikit-learn, and PyTorch/TensorFlow).
- Strong proficiency in SQL for complex data manipulation.
- Practical knowledge of manufacturing data (Shop-floor measurements, OEE, MTTR, MTBF, and maintenance logs).
- Ability to communicate technical insights to non-technical stakeholders.
- Hands-on experience with Azure (IoT Hub, Databricks, Synapse), AWS, or GCP.
- Experience with Reliability Engineering (Weibull analysis) or analyzing logs from CNC Machine Tools (FANUC, Mitsubishi).
- Familiarity with production-grade QA, model monitoring, and security access control.

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Company Description