

# Data Engineering & Platforms

Enterprise data pipelines and AI-ready platforms—so your AI runs on reliable data

## Overview

We build enterprise data pipelines, lakehouse architectures, data quality, feature stores, and real-time data—AI-ready platforms that are secure, scalable, and compliant.

## Business problems we address

- AI models underperform because data is siloed, stale, or poor quality—no enterprise data pipelines or single source of truth.
- No lakehouse or unified data layer; each team builds its own pipelines and feature logic.
- Feature stores and real-time data are missing or unreliable for production AI workloads.
- Data quality and lineage are unclear; compliance and audit require traceability and governance.
- Legacy data infrastructure cannot support real-time or AI-ready platforms at scale.

## How we deliver

We assess your data landscape and platform readiness, design enterprise data pipelines and lakehouse architectures (including feature stores and real-time data), and build and operate in your environment. Deliverables include scalable ingestion, data quality checks, lineage, feature stores, and documentation—so you have an AI-ready platform for RAG, recommendation, or ML at enterprise scale.

## Delivery steps

### 1. Data & platform assessment

Sources, quality, schema; current state and AI readiness.

### 2. Pipeline & platform design

Enterprise pipelines, lakehouse, feature stores, real-time data strategy.

### 3. Build & operate

Deploy pipelines and platforms; data quality, lineage, and documentation.

## Security & governance

Data and platforms are treated as first-class assets: access control, encryption in transit and at rest, PII handling and masking, and lineage for audit and compliance. We design for residency and sovereignty requirements and integrate with your existing data governance and catalog so AI use of data is traceable and approved.

## Who should use this service

Ideal for CDOs, data engineering leads, and ML platform owners who need enterprise data pipelines, lakehouse architectures, feature stores, and real-time data—and for enterprises that have data but lack AI-ready platforms to power production AI securely and reliably.

## Example use case

A fintech client needed an AI-ready platform for personalized recommendations across 10M users. We built enterprise data pipelines, a lakehouse architecture, a real-time feature store, and data quality controls—enabling sub-100ms retrieval and consistent features for training and inference.

## Key capabilities

- Enterprise data pipelines and ETL
- Lakehouse architectures
- Data quality and lineage
- Feature stores
- Real-time data and streaming
- AI-ready platforms

Moaisus Global Solutions — Enterprise AI, securely and at scale.