

# DataOS<sup>®</sup> Solution: AI/ML

Data clarity.

Outcome-first data engineering.

True data democratization.

Data as software.

Ease of use.

## A Paradigm Shift in Data Development: From Disparate Data to Decision Products

70% of AI initiatives fail — current data solutions are the problem. Data teams spend 90% of their time and resources prepping data for AI platforms, leaving only 10% for value generation. DataOS dramatically changes this reality.

DataOS connects all your distributed heterogeneous data, layering over existing data systems and providing a flexible, composable architecture complete with tools to ensure data quality, shareability, and ease of operationalization.

It upskills your teams, accelerating their time to development and empowering them to build decision products, which are data assets used to affect decisions by people and machines. DataOS enables the composable, visibility, and quality that are key differentiators between a flawed model and a fruitful model.



We saw a need for a company that humanizes data and its access, breaks data silos, and helps enterprises transform themselves as they take steps towards an AI-powered future. That's why we founded The Modern Data Company.

**Srujan Akula**  
Co-founder & CEO

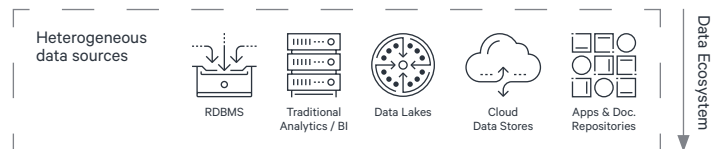


### Outcome-based data engineering

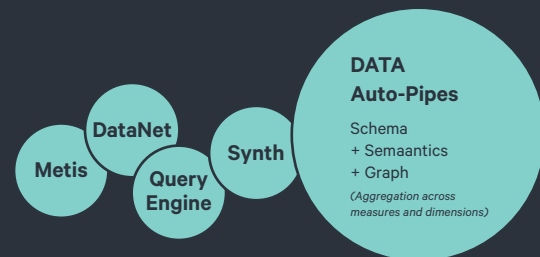
Build models without worrying about the underlying technology. Comprehensive data abstraction and a flexible data architecture simplify the data engineering process and facilitate rapid experimentation.

### Modern layer over legacy systems

Instantly use legacy systems in modern ways. Apply modern governance and activation to your data systems without modernizing them.



Reduce data management by 80%. Accelerate the work of data scientists and engineers by providing a modern data layer that automates a significant portion of these tasks while reducing time, risk, and cost.



Governance + Observability + Quality + Data Versioning +  
Lineage + Downstream Impact Analysis

## Comprehensive data abstraction and a flexible data architecture enables focus on data activation

### Better observability, visibility, and insights

Quickly operationalize hidden, unused, and high-quality enterprise data. Analyze data in place and move only the data needed to drive business value. This reduces risk, cost, and time searching for data.

### Treat data and data development as software

Git for data and more — DataOS provides a platform with the UI, CLI, and other tools to manage the entire data development lifecycle. Its built-in data governance and observability make discovering, sharing, and securing assets easy.





## DataOS Layers

### The Activation Layer

Operationalize and activate your data with custom reports and dashboards that can be created in minutes. Low-code access to data democratizes data-driven decision making. Unlock new data revenue models by sharing data sets in a secure and auditable environment.

### The Knowledge Layer

Build an ontology of your data that encodes relationships, metadata, and lineage. Ensure confidence in your data by seamlessly enforcing quality and governance rules and policies. Monitor and analyze the health of your data throughout its lifecycle and enhance data reliability.

### The Data Layer

Connect and use your data without moving it. The built-in lakehouse offers structure to and management of structured and unstructured data. You have full flexibility to select the optimal compute resources for batch and streaming workloads.

## Key Features

### Data Quality

Ensure trustworthy data and high-quality insights with validation and profiling checks

### Data as a Product

Convert raw data into consumable data products with dictionary, schema evolution, lineage, impact, profiling, usage, and quality

### Governance

Automate data access control with granular privacy controls — ABAC governance enables flexible and scalable policies that adapt to changing or new compliance regulations

### Data Depot

Connect data sources to DataOS and start gaining value without moving any data

### Data Sharing

Enable seamless, secure, and monitored data collaboration across your business ecosystem to unlock new business models and insights

### Automatic Data Catalog

Automatic cataloging of all data with real-time updates so that teams discover deep connections, uncover patterns within the data, and get definitive explainable results

### Data as Software

Use and deploy data as software with versioning capabilities, including data replay

### Knowledge Graph

A semantic network that is enriched in real-time with metadata and lineage to reflect the complex relationships between various data sets

### Workbench

A fast, distributed SQL query engine for big data analytics providing low code access to data and insights for business users — a data GUI for everyone to use

### Observability

Monitor the health and performance of your data and enhance data reliability

### Icebase

Built-in lakehouse that delivers ACID compliance, reliability, and performance for both structured and unstructured data

## Industry Recognition

### Gartner

#### Tool: Vendor Identification for Data and Analytics Governance Platforms

Modern checks all of the critical capabilities in data governance platforms

### Gartner

#### Data and Analytics Essentials: DataOps

Modern Data recognized as an emerging vendor in Enterprise Data Management

## Partner Network



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The Modern Data Company  
306 Cambridge Ave  
Palo Alto, CA 94306

[TheModernDataCompany.com](https://www.themoderndatacompany.com)

[info@TMDC.io](mailto:info@TMDC.io)