MAGE

Accelerate Your Data and AI Journey

Make data and AI at the core of your business

The pressure is on - every enterprise must become data-driven and AI-first. Yet, building formidable data and AI capabilities presents its own set of challenges. From integrating diverse data sources and managing data quality to scaling secure, bias-free AI integrations and unlocking actionable insights, obstacles arise at every step. So, how can you overcome them and fully unleash the potential of data and AI to drive innovation and growth?

Meet MAGE

MAGE is a cutting-edge modular data an AI platform offering a robust suite of reusable, plug-and-play solutions that support end-to-end needs in data management, AI model development, generative AI, and software delivery. Comprising specialized components like Data Works, Neural Nest, Generative AI Studio, and OmniDev AI, MAGE enables organizations to quickly and successfully harness the powerful interplay of data and AI, transforming raw data into intelligent insights that fuel groundbreaking innovation.

The Transformative MAGE Components

Data Works

- Data Management platform integrated with customer onboarding
- Data Ingestion
- Data Quality checks
- Data Standardization
- Data Labeling
- Data Governance setup
- Data Transformation
- Data Visualization Toolkit
- Experience APIs

Neural Nest

- Classic ML
- Deep Learning platform that is integrated with MLOPs
- Neural Network Designer
- Predictive modelling
- Anomaly detection
- Time-series analysis
- Recommendation engines

Generative AI Studio

- Data Studio
- Prompt Studio
- RAG studio
- LLM Studio
- All integrated with LLMOps

OmniDev AI

- Customer Service Copilot
- Integrate Copilots into Fabric
- Leverage Power BI with Copilot for enhanced analytics
- Tailor custom Copilots using Azure AI services
- Integration with AutoDev, Amazon Q developer, Devin for autonomous execution of complex development tasks

Deep capabilities for outstanding outcomes

- Data Science
- Applied AI
- Data Engineering

Features that help you build for relevance and impact on what matters

Component-Based Architecture with Data-Centric AI
- Innovative component-based architecture
- Data and AI at the core
- Transforms data into a valuable asset
- Enforces strong data governance protocols

Intelligent Data Ingestion
- Advanced data ingestion layer
- Language model (LLM) assistants
- NLP based data ingestion
- Rule based data ingestion
- Domain-specific querying for data retrieval
- Data Virtualization
- Native data connectors for various sources and formats

Versatile Data Adapter Framework
- Effortless data amalgamation
- Metadata-driven connectors
- Sets the stage for a unified data ecosystem

Automated Exploratory Data Analysis (EDA)
- Auto EDA with NLP insights
- Visual representation of data correlations
- Quick visual analysis of columns
- Detects outliers, missing values, and more

Streamlined Data Transformation
- NLP based data transformation
- Rule based data transformation
- LLM-assisted
- Simplified field selection
- Automated transformation services
- Rich library of 60+ built-in processors

Intuitive Data Consumption and Visualization
- Data consumption layer for external system integration
- Transparent and interactive data depictions
- Inherent visualization strata
- User-friendly data exploration
- Copilot support

Adaptable Industry Use Cases
- Accommodates any scenario
- Applies AI algorithms for predictions and classifications
- Precise data predictions
- Astute recommendations and classifications

Robust MLOps/AIOps Framework
- Embeds an efficient CI/CD pipeline
- Proactive monitoring strategy
- Identifies data irregularities
- Data drift monitoring and alerts
- REST APIs for real-time scoring and usage

Secured by design: The safety assurance of using MAGE

- Robust Encryption
- Ethical AI Framework
- Privacy-Centric Architecture
- Comprehensive Compliance
- Vigilant Security Oversight

Break new grounds with MAGE

Democratize data and analytics

Advance decision intelligence

Accelerate AI and ML innovation

Ensure data governance

Enhance efficiency, productivity and agility

MAGE working its magic

Effortless Single-Click Operations Through NLP
Single-click operations from the initial stages of data ingestion and transformation streamlined through advanced Natural Language Processing (NLP).

Advanced Intelligent Auto EDA framework
Auto EDA framework analyzes complex and unorganized data, both structured and unstructured and assess data quality and completeness.
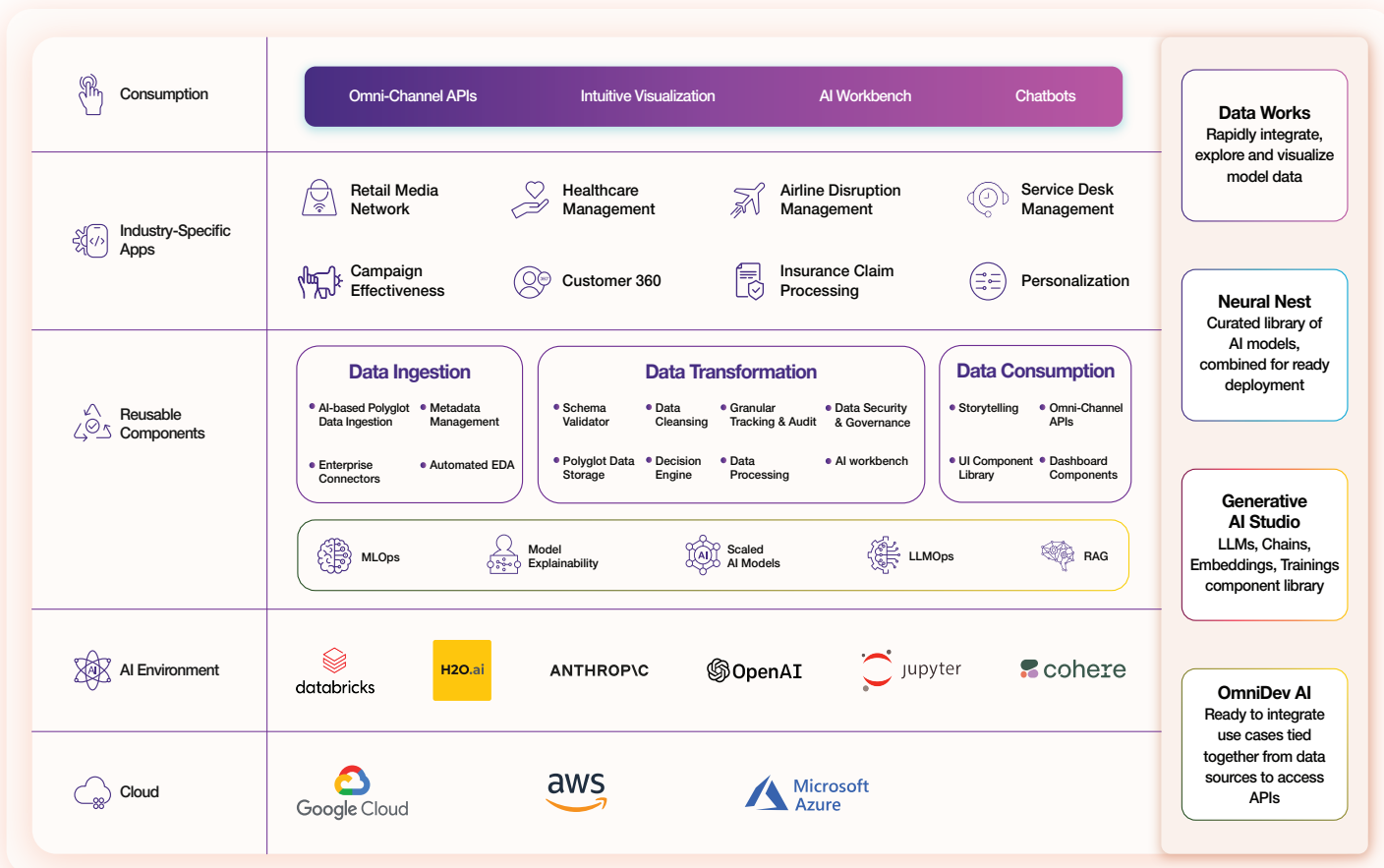
Unified Data Access With Single SQL Query Interface
Revolutionary SQL query interface simplifies data retrieval from multiple sources.

Reusable MLOps/LLMOps framework With Responsible AI
Component-based MLOps/LLMOps framework with Responsible AI for both creating new models and managing existing ones.

MAGE Platform - Decoded

Consumption

| Omni-Channel APIs | Intuitive Visualization | AI Workbench | Chatbots |

Data Works
Rapidly integrate, explore and visualize model data

Industry-Specific Apps

- Retail Media Network
- Healthcare Management
- Airline Disruption Management
- Service Desk Management
- Campaign Effectiveness
- Customer 360
- Insurance Claim Processing
- Personalization

Neural Nest
Curated library of AI models, combined for ready deployment

Reusable Components

Data Ingestion
- AI-based Polyglot Data Ingestion
- Metadata Management
- Enterprise Connectors
- Automated EDA

Data Transformation
- Schema Validator
- Data Cleansing
- Granular Tracking & Audit
- Data Security & Governance
- Polyglot Data Storage
- Decision Engine
- Data Processing
- AI workbench

Data Consumption
- Storytelling
- Omni-Channel APIs
- UI Component Library
- Dashboard Components

- MLOps
- Model Explainability
- Scaled AI Models
- LLMOps
- RAG

Generative AI Studio
LLMs, Chains, Embeddings, Trainings component library

AI Environment

databricks H2O.ai ANTHROP\C OpenAI jupyter cohere

Cloud

Google Cloud aws Microsoft Azure

OmniDev AI
Ready to integrate use cases tied together from data sources to access APIs
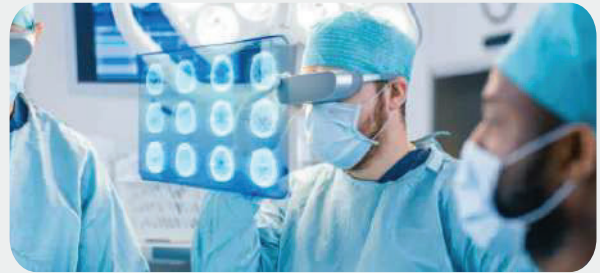
MAGIC in real business scenarios

Retail
Leverage MAGE's capabilities in Retail Media Networks, autonomous store operations, fulfillment AI, demand forecasting, and more to redefine retail.

Healthcare
Explore the AI care management model, patient risk scoring mechanism, care managers' dashboard, and real-time medical management that MAGE helps you build at speed and scale to improve care outcomes.

Insurance
Discover the power of intelligence in insurance with scalable underwriting automation, predictive pricing, claims management, AI-driven sales and distribution, and enhanced overall operations.

Travel
Embark on a new-level growth journey by leveraging MAGE capabilities for flight delay prediction, delay propagations, self-check-ins, query handling, and personalized recommendations.
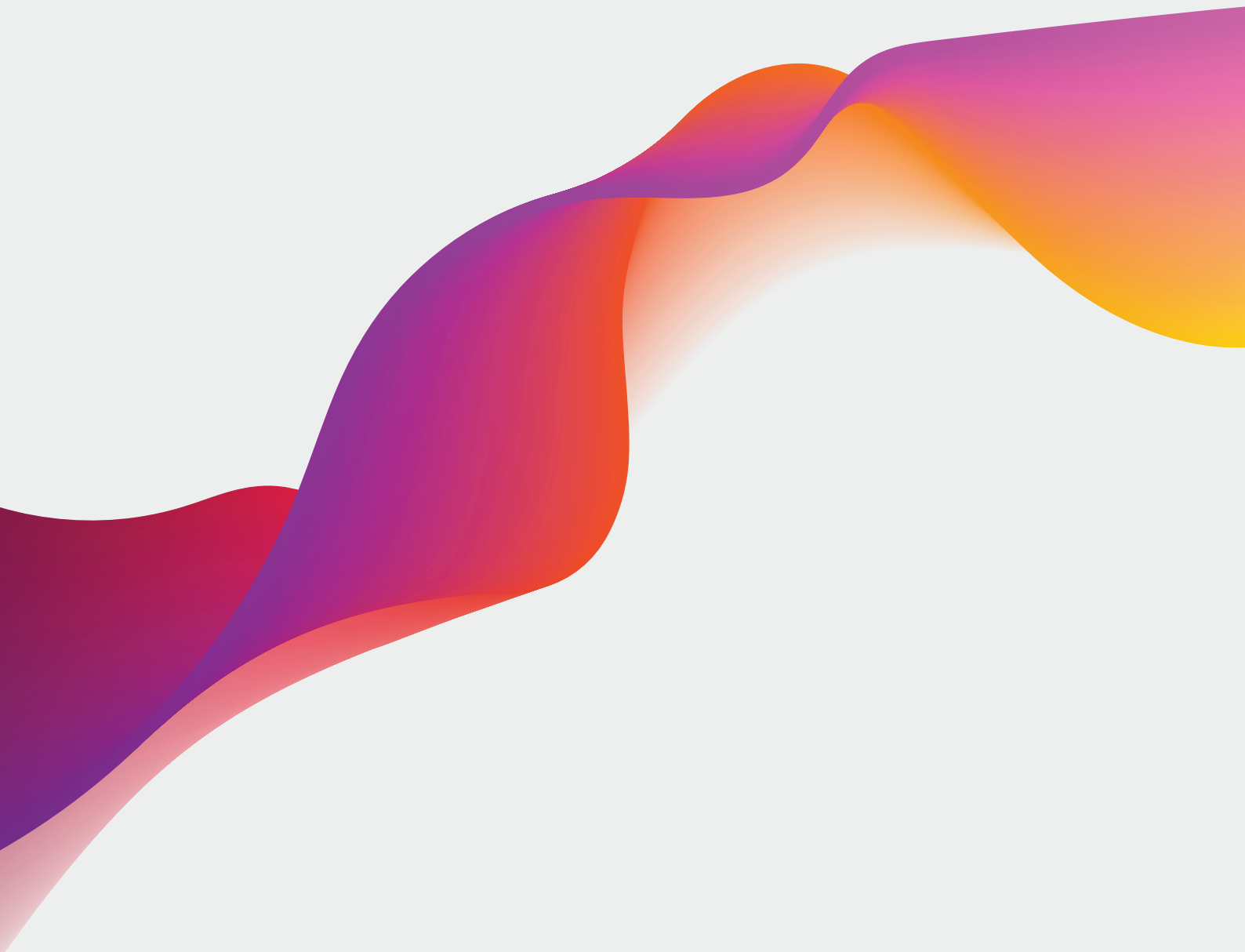
Higher Education
Unlock a new era of academic excellence with our platform, harnessing AI to reimage curriculum development, knowledge imparting, learning, and administrative productivity.

Consumer Packaged Goods
Ignite innovation in the CPG sector with MAGE, leveraging AI for demand forecasting, supply chain optimization, marketing strategies, retailer engagements for RMN, shelf planning and consumer insights.

HTC GLOBAL SERVICES | **HTCNXT**

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HTCNXT is an Enterprise AI solutions division reimagining customer experience and outcomes. We combine disruptive technologies, deep domain expertise, and our built-to-purpose platform to accelerate AI-led transformations for enterprises.

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