MAGE
Accelerate Your AI Journey.

Build AI into the very core of your data strategy

The pressure is on. Every enterprise needs to be an AI-first organization. Yet, building formidable AI capabilities presents its own unique set of challenges. Struggles to seamlessly merge diverse data sources, address biases, invest in unique data and AI training, ensure trust and transparency, and extract valuable insights hinder progress. So, how can you untangle the AI puzzle and unleash its full potential?
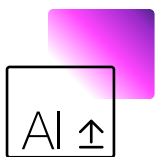
Meet MAGE

MAGE empowers you to build your own AI models or use a library of pre-existing models to accelerate your time to market with new AI solutions. Going beyond being just a platform, it offers you a complete ecosystem of tools and services for end-to-end AI exploration. It orchestrates various technology stack components, allowing you to access the potential of data, algorithms, and computing power. With MAGE, the built-to-purpose platform, innovation becomes your way, insights your advantage, and data-driven decisions your edge.
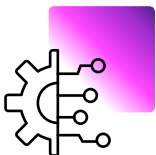
Expect deep capabilities for outstanding outcomes

Data Science:

- Data exploration and visualization
- Feature engineering
- Machine learning algorithms / scaled AI models
- AutoML and automated model building, managing to serving

Applied AI:

- NLP, RPA
- Computer vision
- Predictive analytics

Data Engineering:

- Metadata-driven data ingestion, management
- Automatic EDA
- API-driven data consumption layers
- Data audits, lineage, and governance

Features that turn an AI idea into reality

Accelerating AI development with optimizations of the most popular industry libraries and open-source tools, MAGE's ever-evolving feature suite ensures that 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 with NLP
- Domain-specific querying for data retrieval
- Native data connectors for various sources and formats

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

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

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

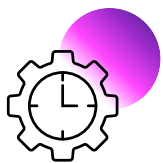### Intuitive Data Consumption and Visualization:
- Data consumption layer for external system integration
- Transparent and interactive data depictions
- Inherent visualization strata
- User-friendly data exploration

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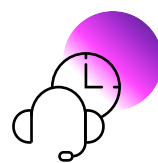- REST APIs for real-time scoring and usage

Break new grounds with MAGE

Enhanced efficiency and productivity

Single source of truth with centralized data management

Real-time insights and decision support

Empowered data governance

MAGE working its magic

Embodying innovation at its core, MAGE redefines the AI landscape, driven by its distinct features and functionalities that power standout performance.

Effortless Single-Click Operations through NLP:

Delivers unparalleled convenience and efficiency, simplifying every phase from data ingestion to model consumption.

Unified Data Access with Single SQL Query Interface:

Allows connectivity to diverse data sources with just a single command, saving time and resources.
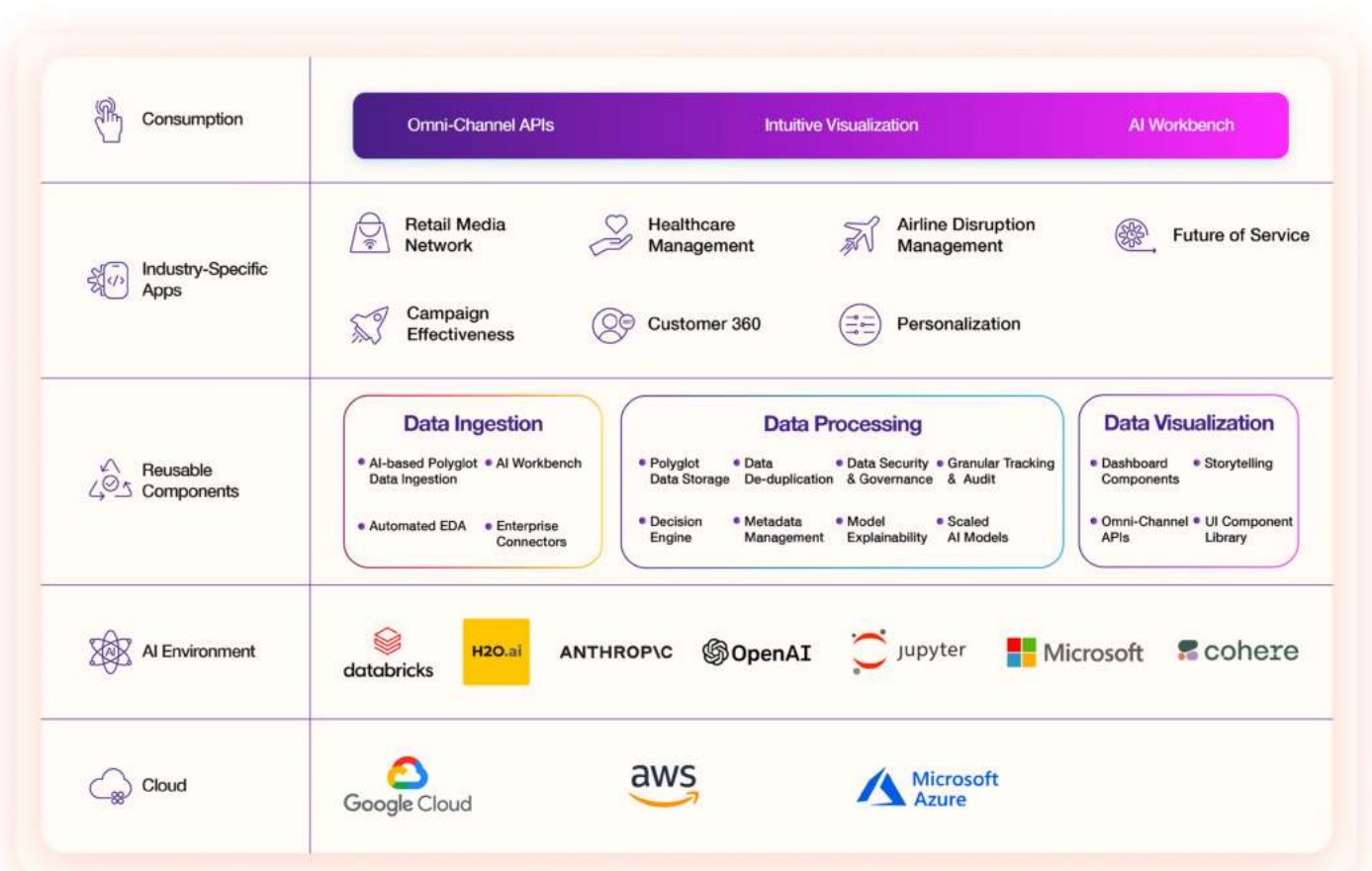
Advanced Intelligent Auto EDA Framework:

Autonomously evaluates, highlights, and addresses gaps in your data, ensuring pristine data for intelligent insights and decision-making.

Scalable and Reusable MLOps Framework with Responsible AI:

Ensures your AI initiatives are trustworthy, transparent, and in line with global ethical standards

The MAGE framework

Consumption: Omni-Channel APIs | Intuitive Visualization | AI Workbench

Industry-Specific Apps: Retail Media Network, Healthcare Management, Airline Disruption Management, Future of Service, Campaign Effectiveness, Customer 360, Personalization

Reusable Components:

Data Ingestion
- AI-based Polyglot Data Ingestion
- AI Workbench
- Automated EDA
- Enterprise Connectors

Data Processing
- Polyglot Data Storage
- Data De-duplication
- Data Security & Governance
- Granular Tracking & Audit
- Decision Engine
- Metadata Management
- Model Explainability
- Scaled AI Models

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

AI Environment: databricks, H2O.ai, ANTHROP\C, OpenAI, jupyter, Microsoft, cohere

Cloud: Google Cloud, aws, Microsoft Azure

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.
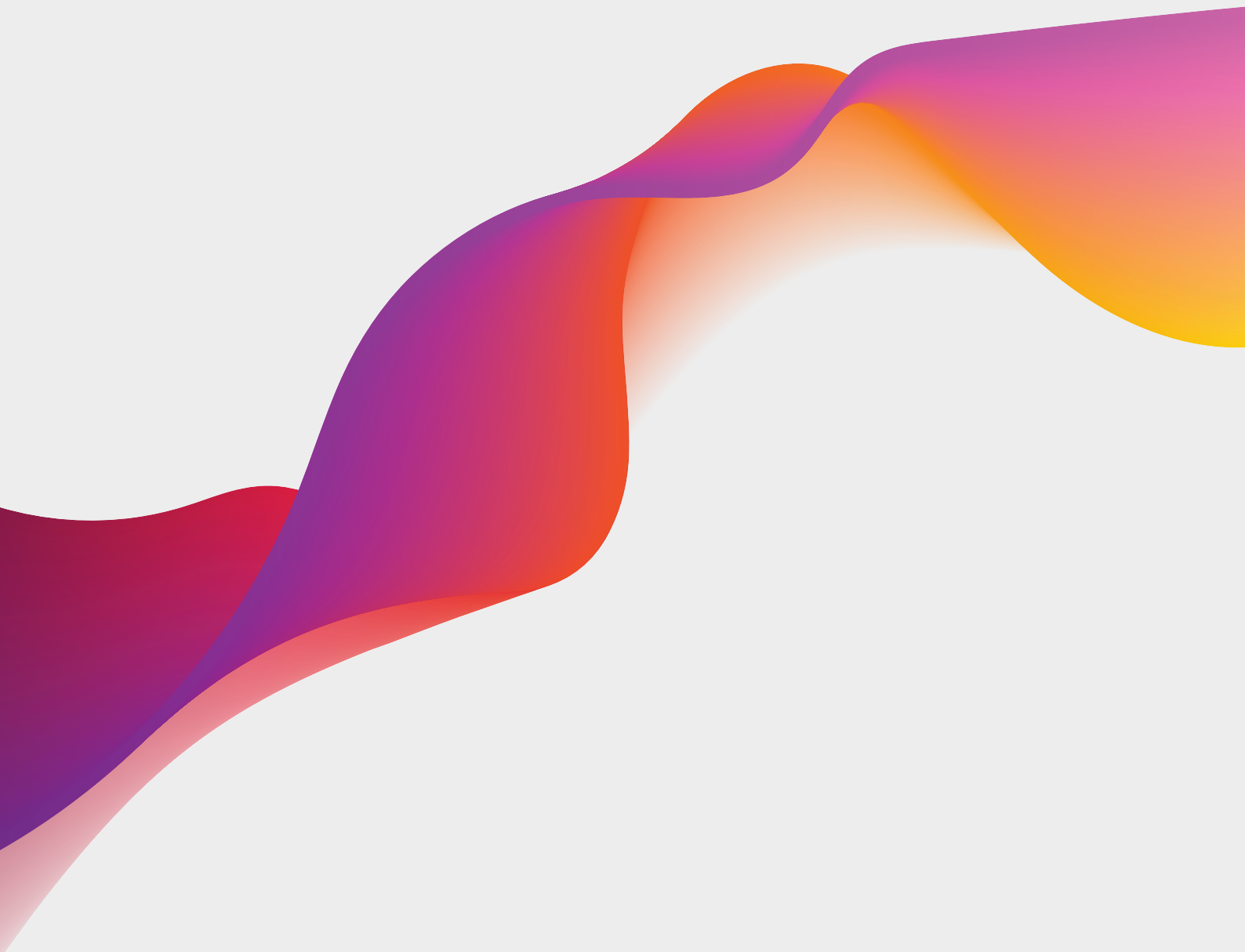
Insurance

Discover intelligence in insurance, scaling underwriting automation, predictive pricing, claims management, and AI-driven upselling and cross-selling opportunities.

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.

HTCNXT

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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