CAYLENT

OmniLake

Amplify Results with AI

Disparate Data Limits the Full Potential of AI

Organizations struggle to harness AI due to disconnected knowledge systems, inconsistent data structures, and rigid processing workflows. This fragmentation affects the ability to build complete context and execute complex business logic, which nearly 60% of CXOs report as a primary challenge. Without a unified approach to integrate, validate, and process information contextually through automated decision trees, businesses face reduced AI effectiveness, unreliable insights, and difficulty scaling their AI applications.

Drive Real Impact with Unified Data & AI

OmniLake delivers a scalable, three-stage framework that finds, processes, and responds to requests through sophisticated decision trees and conditional workflows. Built on AWS, OmniLake accelerates time-to-value by unifying information access, ensuring context preservation through source annotation, and enabling complex logic through validated processing chains. Our framework's built-in validation gates, conditional execution paths, and contextual awareness allows us to drive real business outcomes for customers.

Source: AWS CDO Agenda 2024

Impact Across Industries

Marketing Intelligence

Transform scattered market data into actionable insights, enabling faster decisions and competitive advantage

Revenue Optimization

Identify untapped opportunities across historical data, creating validated pathways to increased revenue

Knowledge Management

Break down information silos to unlock enterprise-wide value while reducing operational costs

Explore more AI Use Cases

Building with Purpose

An approach guided by focusing on what drives value for your business

Outcomes

Faster AI Development	Build AI applications with standardized data handling
Enhanced Decision-Making	Enable complex decision trees with automated validation gates
Better Operations	Design adaptive, conditional workflows based on context, validation, and business logic
Improved Data Transparency	Track full data lineage across multi-step processes

Delivering with Precision

Tailored outputs to help your business maximize impact and power evolution

Deliverables

Custom Framework	An AI framework built on AWS services enabling advanced workflow orchestration and decision trees
Enterprise-Ready Infrastructure	An enterprise-ready infrastructure with validation gates and conditional execution paths
E2E Toolkit	An E2E toolkit for building and managing complex AI workflows