

Unstructured Financial Docs Block Business Insight

Financial institutions are overwhelmed by unstructured document workflows across operations, compliance, and customer interactions. Processing loan applications, contracts, statements, and regulatory filings is time-consuming, error-prone, and resource-intensive. Without automation, these documents remain underutilized. This slows decisions, increases operational risk, and drives up costs in a heavily regulated environment.

Transform Unstructured Docs into Business Intelligence

Our solution helps financial institutions automate document intake, classification, and data extraction using AWS-native services and advanced AI models. The solution is designed with modular, secure, and compliant architecture that streamlines operations, boosts accuracy, and shortens time to decision while meeting strict financial regulatory standards such as SOX, FFIEC, and GDPR.

Where We Can Help



Automated Loan App Processing

Extract applicant data, income verification, and supporting documentation in minutes to accelerate approvals and reduce manual workload.



Regulatory document Compliance

Automatically classify, extract, and validate information from regulatory filings, ensuring full audit trails and adherence to SOX, FFIEC, and other frameworks.



Contract & Statement Review

Parse key terms, obligations, and financial figures from contracts, bank statements, and disclosures to improve risk assessment and downstream automation.



Customer Onboarding & KYC

Streamline document verification and identity checks by extracting and validating structured data from IDs, proof of income, and utility bills.

Our Approach

Plan & Design

Create AWS architecture, design financial-specific AI models, and define secure integration patterns

Launch & Deploy

Deploy infrastructure with compliance controls, monitoring, and business rule engines

01

Discover & Define

Audit document types, evaluate readiness, prioritize use cases, and map regulatory requirements

02

Build & Validate

Implement document pipelines, train models, validate workflows through real-world pilots and UAT

03

04

Manage & Extend

Enhance continuously through quarterly optimization, retraining, and adapting to new regulations

05

Deliverables

Assessment Report	Use case prioritization, data quality analysis, and compliance requirement mapping
Reference Architecture	Secure, scalable templates for document ingestion, extraction, and enrichment using AWS native services
Custom Model Specifications	Tailored training data plans, model benchmarks, and business logic mappings for financial documents
Production-Ready Deployment	CI/CD pipelines, role-based interfaces, and full integration with your operational and compliance systems

Customer Story

Generative AI

Document Processing

Logistics Management

Challenge

A leading transportation technology firm processing over 1 billion documents annually faced major limitations with their third-party solution. The system lacked accuracy for critical documents, required up to 24 hours for processing, and offered no IP ownership or visibility into performance.

Solution

Built a custom intelligent document processing solution on AWS. The system integrated Amazon Textract, Bedrock, and specialized classification frameworks to improve accuracy, reduce latency, and support high-volume, multi-document pipelines.

Results

Document processing time dropped from 24 hours to under 5 minutes. Extraction accuracy increased by over 20 percentage points, while throughput scaled to support 330,000+ pages per day. The client gained full ownership of the platform, real-time monitoring, and a future-ready foundation.

Let's Get Started

No matter where you are on your journey, Caylent can help you quickly achieve your AI goals, from reinventing customer experiences and creating innovative new applications to massively improving productivity.

Whether you are looking to define a use case, create a roadmap, build a prototype, or implement a production ready solution, Caylent has a suite of offers tailored specifically to accelerate your goals.

