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AI-POWERED SOLUTION

SLASHED CUSTOMER INVOICE PROCESSING TIME BY 6X

CUT COSTS BY 80%

Client:

A Leading IT consulting service provider

Industry:

Information Technology & Consulting

Offering:

AI-Powered Intelligent Automation – Invoice Extraction

AWS Services Used:

» AI & ML: Azure OpenAI (GPT-4o)

» Serverless & Automation: Azure Functions

» Networking: Azure API Management Service

» Storage: Azure Blob Storage

Rapyder's AI-Powered Solution Slashed Customer' Invoice Processing Time by 6X and Cut Costs by 80%

Introduction:

Customer is a global leader in IT services and consulting, managing complex financial and operational processes across multiple geographies. With high invoice volumes across enterprise accounts, invoice processing remained a manual, time-intensive operation impacting speed, cost efficiency, and financial accuracy.

To modernize this function, customer partnered with Rapyder to implement an AI-powered, intelligent invoice extraction engine built on Microsoft Azure.

Business Need:

The customer required automation of invoice processing to:

» Reduce manual processing time (12–15 minutes per invoice)

» Improve financial data accuracy and eliminate rework

» Lower operational costs tied to validation and exception handling

» Scale seamlessly during peak invoice cycles

» Strengthen audit readiness and compliance controls

The objective was to build a scalable, secure, and intelligent system capable of processing high invoice volumes with minimal human intervention.

Solution Approach and Implementation:

Rapyder designed and deployed a serverless AI-driven invoice extraction architecture on Microsoft Azure.

» Configured **Azure API Management** for secure invoice ingestion

» Developed **Azure Functions** to orchestrate workflow and validation logic

» Integrated **Azure OpenAI (GPT-4o Vision)** for intelligent invoice content extraction

» Implemented multi-page detection and filtering logic (Original, Duplicate, E-way Bill)

» Built automated deduplication and field validation mechanisms

» Stored validated structured data with metadata in **Azure Blob Storage**

» Enabled audit trails with confidence scores and performance logs

The solution ensured intelligent extraction, validation, structured output, and secure storage fully automated.

Reaping Rewards/The Business Transformation:

The implementation delivered measurable operational and financial impact:

» **6X Faster Processing:** Reduced invoice handling time from 12–15 minutes to 1–2 minutes

» **80% Reduction in Processing Costs:** Achieved average savings of **$7 per invoice,** delivering approximately **$250,000 annual savings** (mid-sized operations)

» **95%+ Data Accuracy:** Reduced extraction errors from **8–10% to under 3% while** achieving **65% reduction in manual data errors**

» **5X Scalability Improvement**
Scaled from **10,000 to 50,000 invoices per month** without increasing headcount

» **30–40% Productivity Increase**
Reduced human touchpoints by **70–75%**

» **60% Reduction in Compliance Risk**
Improved audit traceability and standardized validation

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