



TRANSFORMATION SERVICES



Honne is a technology partner that transforms the operations of institutions and businesses through cloud solutions, data analytics, and artificial intelligence.

With a consultative approach and tangible results, we help our clients optimize processes, reduce costs, and accelerate growth with a digital strategy tailored to their needs.

EMPOWERING CORPORATE LEGAL OPERATIONS WITH GEN AI



CASE STUDY SHORT DESCRIPTION

ABOUT THE CLIENT

Stellatech is a technology services company recognized for its focus on innovation and efficiency. With presence across industries, it provides expertise in cloud, cybersecurity, and digital transformation.

Through advanced technology and a consultative approach, Stellatech helps organizations modernize infrastructure, optimize resources, and strengthen continuity. Its commitment to value positions it as a trusted partner for companies seeking sustainable growth in a dynamic digital landscape.

Stella Tech's legal department implemented a Generative AI solution to streamline internal legal research and document analysis. By leveraging AI, the team accelerated the identification of legal precedents, standards, and compliance requirements, achieving greater efficiency and enabling the legal staff to focus on strategic advisory tasks that support the company's fast growing financial and technology operations.

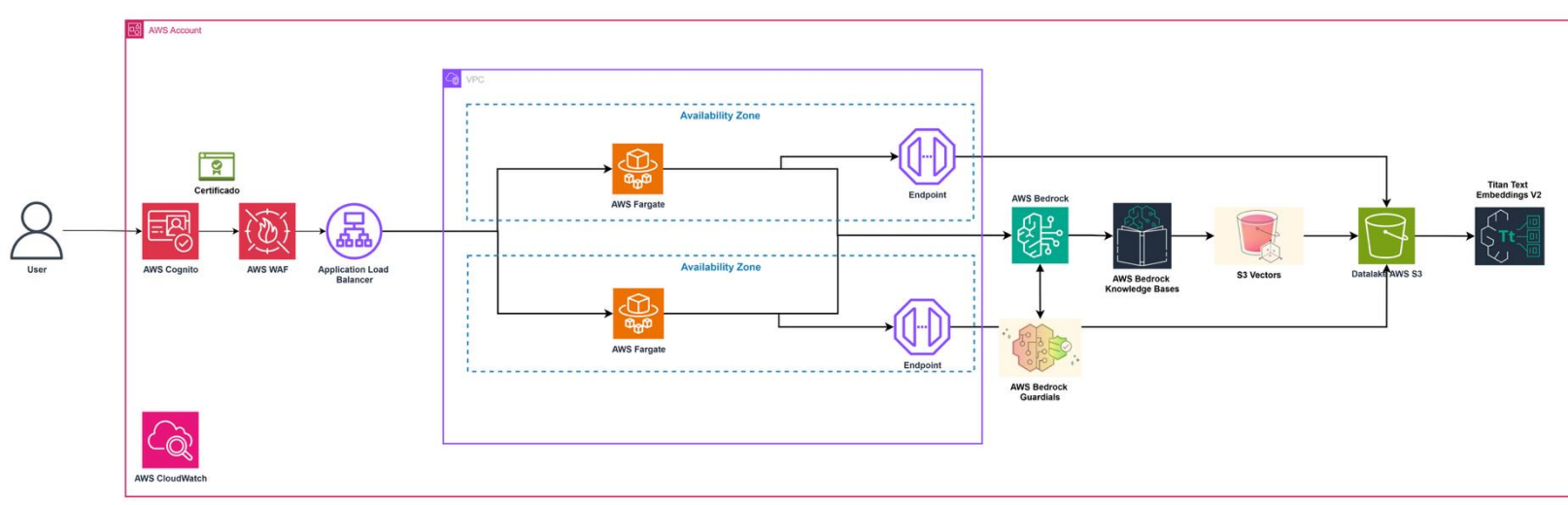
PROBLEM STATEMENT / DEFINITION

As a diversified technology group delivering financial and software solutions, Stella Tech manages complex legal frameworks across multiple jurisdictions. The legal team often needed to research legal facts, precedents, arguments, statutes, and court opinions across vast collections of digital legal documents. This manual process was time consuming, reduced responsiveness, and risked inefficiencies when aligning the company's operations with evolving regulatory requirements.

The challenge was to optimize internal legal research workflows to ensure faster decision making, improve compliance, and reduce the time spent on repetitive tasks.

PROPOSED SOLUTION / ARCHITECTURE

In collaboration with Honne, Stella Tech deployed a Generative AI powered research and analysis solution that integrates with digital legal libraries and internal knowledge bases.



The architecture included:

Amazon S3: Centralized and secure storage for internal legal documents and reference materials.

Amazon Bedrock with Titan Embeddings: Enabled transformation of statutes, case summaries, and compliance documentation into vectorized representations for semantic search.

S3 Vectors: Provided scalable indexing and retrieval capabilities, allowing the legal team to quickly find highly relevant documents and precedents.

Amazon Nova Foundation Models: Enhanced natural language understanding, enabling precise interpretation of complex legal queries and context-aware recommendations.

Through this solution, Stella Tech's legal department gained a conversational interface to query legal references in natural language, significantly reducing research time and improving consistency.



The implementation of an artificial intelligence system for legal research at StellaTech delivered significant improvements in accuracy, efficiency, cost savings, and regulatory compliance.

OUTCOMES OF PROJECT AND SUCCESS METRICS (Key results)

Accuracy: The system achieved 92% accuracy across 300 representative queries.

$$\text{Answer Accuracy} = \frac{\text{Correct Queries}}{\text{Total Queries}} = \frac{276}{300} = 0.92$$

Efficiency: Achieved a 65% reduction in legal research time, decreasing from an average of 8 hours to 2.8 hours per day.

$$\text{Time Reduction (\%)} = \frac{\text{Manual Time} - \text{AI Time}}{\text{Manual Time}} \times 100$$

$$\text{Time Reduction (\%)} = \frac{8 - 2.8}{8} \times 100 = 65\%$$

Scalability: Validated to handle 1,000 concurrent queries with an average response time under 1.2 seconds and no availability errors.

Cost Savings: Achieved a 65% reduction in legal research expenses, equivalent to \$2,340,000 MXN annually.

Regulatory Compliance: Reduced detection and adaptation time to new regulations by 50%, ensuring full traceability for audits.

Document Management: Achieved 100% availability of documents in a centralized repository (Amazon S3), reducing internal search times by over 70%.

TCO & IMPROVEMENT ANALYSIS

Metric	Before (Manual Process)	After (AI Solution)	Improvement
Legal Research Accuracy	N/A (manual, prone to errors)	92% accuracy	Reliable and consistent answers
Avg. Research Time per Day per Person	8 hours	2.8 hours	65% saved time
Concurrent Query Capacity	Limited (manual workload)	1,000 concurrent queries	High scalability
Projected Annual Legal Research Cost	\$3,600,000 MXN	\$1,260,000 MXN	\$2,340,000 MXN saved (65%) Gross savings
Adaptation to New Regulations	100% baseline	50% faster	Reduced compliance overhead
Document Availability	Fragmented sources	100% centralized (Amazon S3)	70% less search time

LESSONS LEARNED

Integration with Existing Workflows: Aligning AI tools with the legal department's established practices ensured smooth adoption.

Pilot Testing: A phased rollout helped refine use cases and build confidence among legal staff.

Human Oversight Remains Key: AI accelerated research, but final interpretations and decisions relied on experienced legal professionals.

Scalability for Future Use Cases: The solution set a foundation for broader applications, including contract analysis and compliance monitoring.



Let us help you!

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