Transforming **Legislative Affairs with Amorphic GenAI** for the Hawaii Department of Law & Enforcement (HIDLE)

Executive Summary

The Hawaii Department of Law & Enforcement (HI DLE) aimed to modernize its legislative processes, enhancing the management, analysis, and response to public bills and related legislative documents. Cloudwick's Amorphic GenAI Legislative Bills Solution provided a comprehensive, AI-driven platform that automated data ingestion, enrichment, bill analysis, and testimony generation. This implementation transformed HI DLE's legislative affairs, enabling data driven, proactive engagement and improved operational efficiency.

Business Objectives

HI DLE sought a centralized solution to streamline the handling of legislative documents, allowing legal analysts and leadership to process, analyze, and respond efficiently. The objective was to harness generative AI to support the identification and management of bills, ensure timely responses, and maintain consistent oversight.

The Challange

HI DLE faced challenges with manual data processing, fragmented data sources, and the need for timely, accurate testimonies. Integrating legislative data efficiently while maintaining precision and relevance was a significant hurdle.

The Solution

Cloudwick implemented the Amorphic GenAI Legislative Bills Solution, an AI-powered platform that automated the ingestion, enrichment, and analysis of legislative documents, alongside generating draft testimonies. This phased approach streamlined legislative oversight and expedited workflows.

Implementation and Solution Flow

Phase 1: Foundational Automation

1 **Daily Data Ingestion and Indexing:**
Automated pipelines were established to collect data from public legislative sites (e.g., HI Capitol) and store documents in S3 with enriched metadata. The process included daily or real-time updates and integrated data validation for accuracy.

2 **Metadata Enrichment:**
AI agents enhanced incoming documents with metadata, including technical tags, summaries, and relational mappings to create connections between documents.

4 **Testimony Generation:**
AI-generated draft testimonies were developed using past testimonies for consistency in tone and context, complete with relevant references and citations.

3 **Bill Analysis and Identification:**
AI algorithms identified bills of interest based on predefined criteria and historical data, triggering tasks when a new bill matched the profile. The knowledge base continuously evolved to improve recognition.

Phase 2 (Next Steps): Advanced Capabilities

1 **Voting History and Comments:**
Integration of real-time ingestion of voting records and public comments related to bills for a comprehensive legislative view.

2 **On-Demand Testimony Generation:**
Enablement of user-initiated testimony generation with feedback capabilities to refine subsequent outputs.

4 **Interactive Reporting and Dashboard:**
A web-based dashboard will be implemented to provide visual summaries and metrics, supporting better data exploration and decision-making.

3 **Bill Lifecycle Profiles**
Relationship mapping connecting hearing notices, votes, and related metadata, with a UI designed to showcase the full lifecycle of bills.

Outcomes and Benefits

The implementation of the Amorphic GenAI Legislative Bills Solution delivered substantial improvements for HI DLE:

Enhanced Operational Efficiency:
Automated data ingestion and testimony generation reduced manual workloads, allowing analysts to focus on high-value tasks and improving productivity.

Accelerated Response Times:
The AI-driven system expedited the identification of bills of interest and generation of testimonies, ensuring timely, data-driven responses to legislative developments.

Consistent and Accurate Testimonies:
AI-powered enrichment and testimony generation maintained a consistent style and high accuracy, reducing the risk of errors.

Proactive Legislative Oversight:
Comprehensive bill profiles and relational mapping provided leadership with a complete view of bill progress, fostering proactive decision-making.

Improved Stakeholder Engagement:
Comprehensive bill profiles and relational mapping provided leadership with a complete view of bill progress, fostering proactive decision-making.

Data-Driven Insights:
Comprehensive bill profiles and relational mapping provided leadership with a complete view of bill progress, fostering proactive decision-making.

Conclusion

The Amorphic GenAI Legislative Bills Solution revolutionized HI DLE's approach to legislative affairs, transitioning from manual, fragmented workflows to a unified, automated, and efficient platform. By integrating advanced AI capabilities, the solution streamlined data handling, enriched analysis, and enabled timely responses. This comprehensive transformation empowered HI DLE to maintain effective oversight and respond proactively to legislative changes, enhancing operational productivity and strategic outcomes.

AWS Services Used

The Amorphic solution is deeply integrated with the AWS ecosystem, leveraging over 60 native AWS services. Some of the key AWS services used include:
Amazon S3, AWS Glue, Amazon Athena, Amazon QuickSight and AWS Bedrock. In addition to these, the Amorphic platform utilizes a wide range of AWS services across categories like compute (Lambda, Step Functions), analytics (Redshift, Kinesis), security (IAM, KMS, CloudTrail), and monitoring (CloudWatch, X-Ray), ensuring a robust and enterprise-grade architecture.

Next Steps

Start small, achieve quick wins and build a scalable data foundation powered by AI and automation. Contact Cloudwick at **sales@cloudwick.com** for a demo.