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Dashboards & Reporting | Data Foundations | AI & Automation

Executive project brief

Lama AI BI Agent: From Business Questions to Decision-Ready Insights

A governed AI BI agent that turns natural-language business questions into traceable analysis without abandoning trusted metric logic.

The screenshot displays the Lama AI BI Agent interface across multiple devices. On the left, a smartphone shows a chat interface with the agent. In the center, a tablet displays a 'Morning Briefing' with a line chart and text. On the right, a laptop shows a 'Real Executive Report' with various metrics and a line chart. The interface includes a navigation bar with options like 'Morning briefing', 'Contextual Chat', 'Dashboards', and 'Executive reports'. It also features a 'GOVERNED' badge indicating evidence-based answers. The bottom of the interface shows icons for 'Web', 'Desktop', and 'Mobile' views.

Selected technologies: SQL Server · n8n · AI/LLM · JavaScript · JSON

BUSINESS PROBLEM

A generic chatbot can produce fluent answers without understanding the organization's entities, approved views, date rules, invoice identity, customer logic or safe query boundaries. It can also lose the analytical subject when a user asks a short follow-up such as "what about last month? ". The core problem was therefore not simply generating SQL.

THE SOLUTION

The AI model was treated as an orchestration and interpretation layer, not as the source of truth. Business meaning lives in governed metadata: approved entities and views, field definitions, metric formulas, date logic, allowed question families, and query boundaries. Each question is normalized into a clear analytical intent.

WHAT CHANGED

Lama demonstrates how enterprise BI can move beyond fixed dashboards toward conversational, context-aware decision support while retaining controlled metric and query logic. Its practical value is reducing the distance between a business question and a usable analytical answer, while keeping the system explainable, testable and governed.

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