

*Orix McLaren Hackathon 2026*

# TEAM QBITS

Asset Manager AI Copilot

# TECHNOLOGY STACK & ARCHITECTURE

## 🌐 Frontend

Supports:

- Document uploads
- User questions
- AI answers with source details

Focused on simple and quick interaction

## ⚙️ Backend

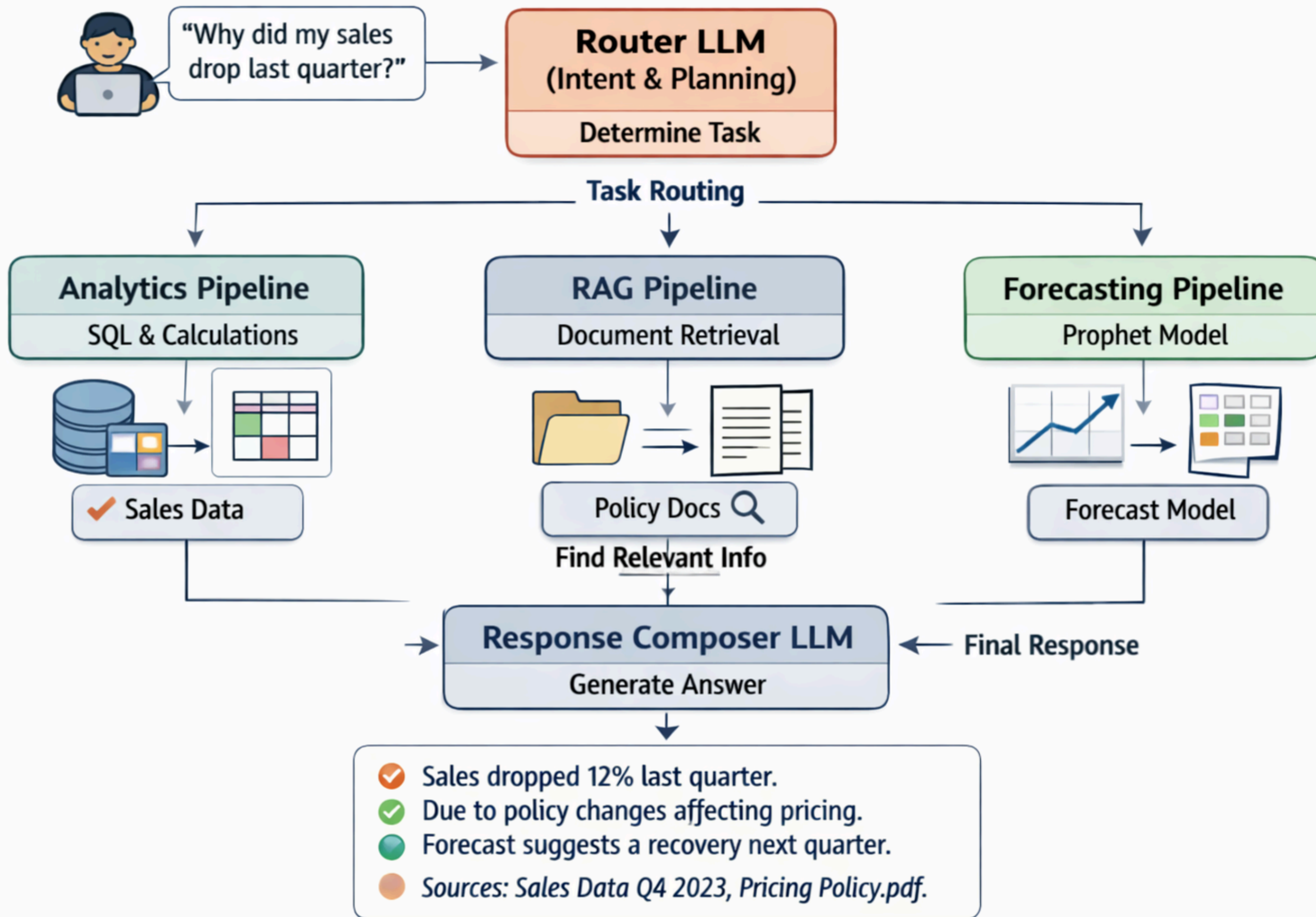
FastAPI (Python)

- APIs for ingestion and AI queries
- Async and scalable

Pydantic keeps data clean and consistent

## 🧠 AI & NLP Layer

- RAG architecture for clear fact-finding and response writing
- Core tools: LangChain routing, prompt flow, LLM control
- MiniLM embeddings for speedy, small-footprint vector search





The background features abstract geometric wireframe structures. On the left, there are teal-colored wireframe polyhedrons. On the right, there are blue-colored wireframe polyhedrons. The central text is white and bold, set against a dark blue background.

**LET'S SEE THE DEMO**

