

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

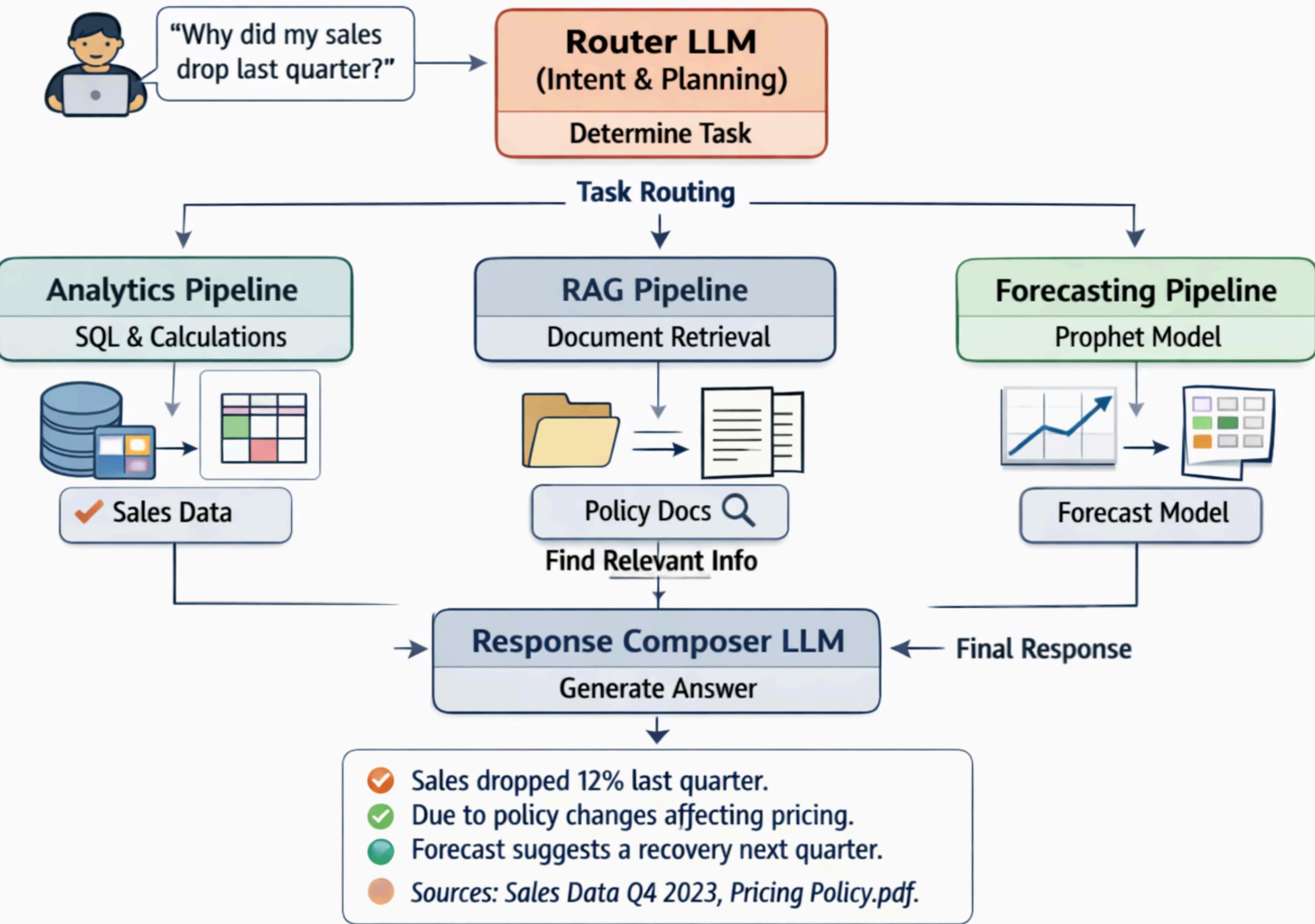
FastAPI (Python)

- 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





LET'S SEE THE DEMO

