



ABOUT CLIENT

- An innovative startup platform headquartered in the United States, supporting a vast network of entrepreneurs across North America.
- Founded with a vision to share public access to investor-ready resources, the company helps early-stage founders via tools, technology, and mentorship in their fundraising journey.

PROBLEM STATEMENT

During the initial discovery sessions, the client outlined recurring challenges that founders faced while preparing investor pitch decks.

Generic and Rigid Templates

Entrepreneurs heavily relied on common templates that failed to reflect industry nuances or align with investor expectations, resulting in decks that lacked personalization and strategic depth.

Manual and Time-Intensive Research

A considerable amount of time was spent manually gathering competitor data, market insights, and structuring content, diverting focus from refining core business narratives.

Limited Data Reuse and Insights

The absence of a centralized system to leverage historical pitch decks, investor feedback, or sector-specific trends led to missed opportunities for data-driven improvements.

Fragmented Collaboration

Review and feedback cycles among teams, mentors, and investors were inefficient, creating delays and inconsistencies in final deck delivery.

Technology & Software
Azure Data Engineering Large Language Model (LLM) Natural Language Processing (NLP)
US
Customer Service and Support, IT and Technology Support
End to End Project Lifecycle Management

SOLUTION

The client partnered with us to design and implement an AI-powered Pitch Deck Creator MVP that could personalize the fundraising preparation process. The solution focused on:

Information Gathering

The Intake Agent collected structured startup inputs via forms and chatbot interactions, ensuring all critical information was captured efficiently.

Market & Competitor Research

The Research Agent (GPT-4 + web APIs) analyzed industry trends, competitor positioning, and market opportunities to provide data-driven insights for each deck.

Knowledge Contextualization

The Knowledge Engine Agent (Vector DB + GPT-4) leveraged historical pitch decks and investor preferences to contextualize recommendations and ensure alignment with best practices.

Slide-Wise Content Generation

The Content Generation Agent created comprehensive, ready-to-use slides covering Problem, Solution, Market, Team, Financials, and Ask, customized for each startup's unique story.

Feedback & Iteration

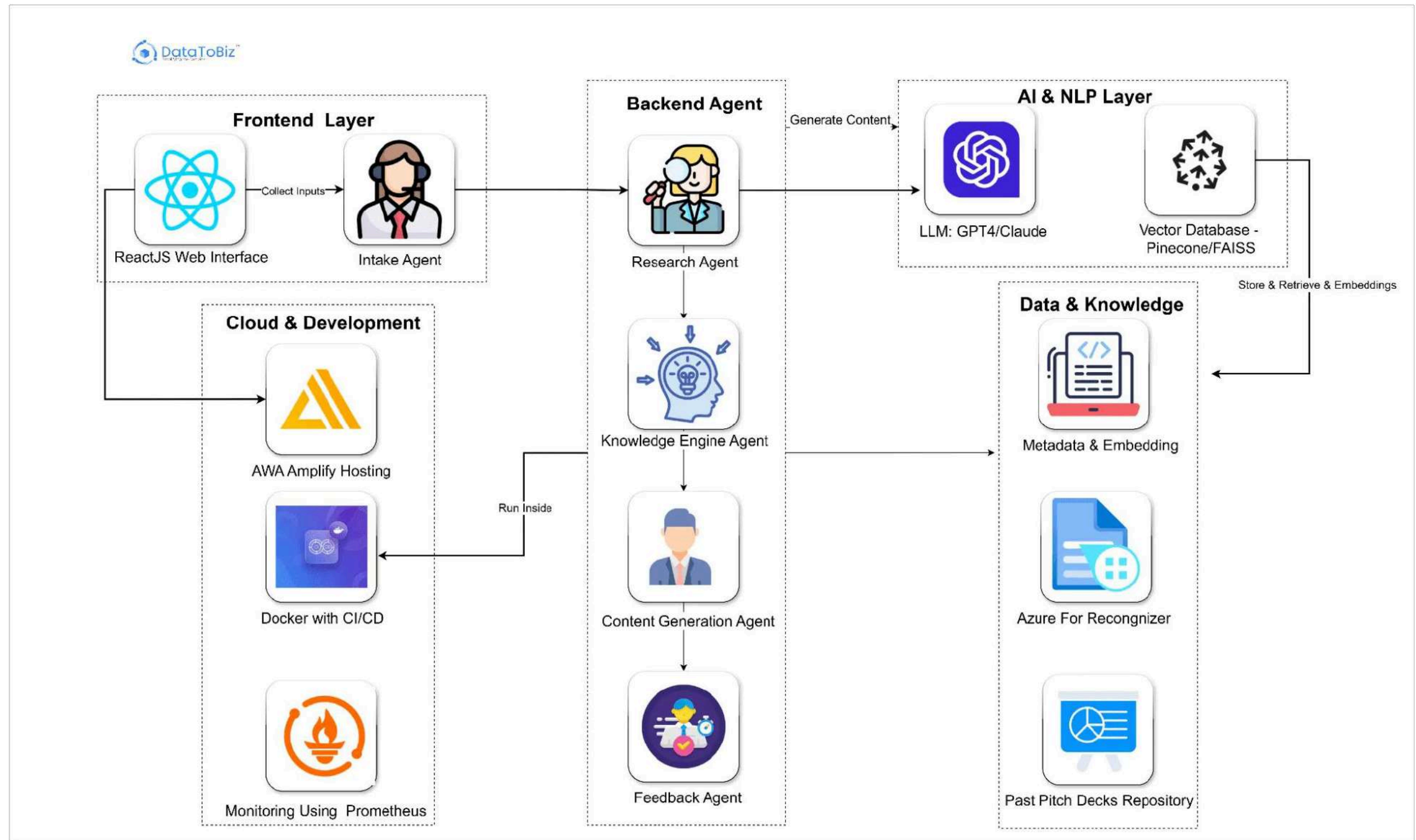
The Feedback Agent enabled founders to review, refine, or regenerate slides on demand, supporting rapid iteration and continuous improvement.

TECHNICAL IMPLEMENTATION

The AI-driven workflow was built and deployed as follows:

- **Frontend:** ReactJS-based interface hosted on AWS Amplify for founder inputs and final outputs.
- **Backend Agents:** Built on N8N and orchestrated with LangChain, coordinating GPT-4 LLM calls.
- **Knowledge Layer:** Vector Databases (Pinecone/FAISS) storing past decks for contextual retrieval.
- **Integration Tools:** PDFplumber & Azure Form Recognizer for extracting insights from legacy pitch decks.
- **Cloud & DevOps:** Dockerized services with CI/CD pipelines, monitored via Prometheus and Sentry.

TECHNICAL ARCHITECTURE



BUSINESS IMPACT

Efficiency Gains

Founders experienced a 70% reduction in time spent creating decks, transforming a multi-day process into a matter of hours.

Enhanced Personalization

By using historical decks and investor insights, the system achieved high contextual relevance, ensuring each slide resonated with target investors.

Boosted Productivity

Automating research, analysis, and deck structuring allowed founders to focus more on strategy and storytelling, improving overall productivity noticeably.

Scalability & Adoption

After piloting with 30-40 entrepreneurs, the MVP proved ready for broader rollout, supporting expansion to a wider founder community with minimal additional effort.

By using GPT-4, LangChain, Vector DBs, and N8N, the client turned pitch deck creation from a slow task into a fast, AI-backed, and personalized process. The implemented solution made it easier for founders to create context-rich stories for investors, while building a foundation for a scalable platform that can support fundraising at a much larger scale.

Have Similar Business Concern?

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Reviewed on Clutch ★★★★★

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