

How Aible Flips the Script on Enterprise GenAI



GenAI Estimate Vs. Aible at Fortune 50s

	Others	Aible
TIME TO DEPLOY	8.2 Mths	< 30 Days
COST PER USE CASE	\$2M-16M	< \$500K
SUCCESS RATE	10% Pilots to Production	Guaranteed

Source: Leading Research Analyst Firm

Top 3 Reasons Why GenAI Projects Fail



Misalignment with Business

- Data Science evaluations of GenAI solutions ≠ business user preferences
- A lot of work is done by data science and IT before business users ever get to confirm whether the AI is useful to them



Speed & Cost of Building Enterprise Solutions

- A lot of effort is spent on failed projects (90% of AI projects fail as per Gartner)
- In GenAI, by the time a project is completed (8 months per Gartner), the tech is out of date



Enterprise Guardrails

- Can't lose control over data (LLMs require data egress)
- Can't make the wrong decisions due to hallucinations
- Can't 'leak' information to unauthorized users through model fine-tuning

Traditional Data Science Process WITHOUT AIBLE

1 USE CASE IDENTIFICATION 2 USE CASE 3 GOVERNANCE 4 CONFIGURATION

First, **Data Scientists** work with **Business Users** to understand / define the use case. Often business users are asked to provide sample questions and 'golden answers' that Data Scientists can use to evaluate the project - before business users even have a full understanding of the proposed solution.

Second, **Data Scientists** look for the data to enable the use case. They look at the sensitivity of the data to make a case for AI governance.

Third, **Data Scientists** work with AI governance to figure out enterprise controls on a case-by-case basis even as the underlying technology is rapidly changing.

Fourth, **Data Scientists** try different models, model settings, VectorDB settings, prompt augmentation, few-shot learning, even fine-tuning of Specialized/Small Language Models (SLM), etc. They use the sample questions and answers from step 1 to evaluate the different configurations. Unfortunately, they can only check for how well a response matched the words in the 'golden answer' and not whether the answer was useful or accurate.

5 PROTOTYPE 6 DEPLOY 7 RE-DO / REPEAT

Fifth, **Data Scientists** create one or two prototypes at best and show the solutions to Business Users.

Sixth, **Data Scientists** work with IT teams to get the GenAI solutions deployed at scale.

Finally, as the underlying technology changes, **Data Scientists** either put in significant effort to re-do the work or just don't make any changes - thus falling further and further behind the state of the art.

90% OF PROJECTS FAIL

Fundamentally, **this process places humans at the beginning, middle and end** of the process. This would be appropriate in a world where there are very few opportunities to use AI to improve business performance. But you can't solve an exponential opportunity / problem by using a linear solution like people.

TIME TO IMPACT: 7 Days

“That iterative process was maybe a **one-week** process, where we tried our foundation models, we tried some prompt augmentation in a couple of days. Is this going to work, no we need more accuracy, ok let me fine tune a Mistral or a smaller model and get more accuracy there...”



– Michael Hanson, Sr Director, Business Transformation
<https://qrco.de/bfOuq8> Gartner Data & Analytics Summit 2024

● AI-First Scalable Approach WITH AIBLE

Aible believes that there are many opportunities to deliver business impact from our data using AI and you need an AI-first scalable approach to extract value from your data. You need to fully automate the first few steps to sufficiently derisk the project before spending peoples' time on it. You need to engage all relevant stakeholders earlier in the process to ensure success.

TIME TO IMPACT: 2 Days

“50% of companies are trying to bring GenAI capabilities in, but only 10% have actually implemented them. To just think that we did something in **two days** on top of our data, that's a pretty big deal.”

– Jas Pannu, SVP Data & Analytics



● 1 Business-User-Led Rapid Prototyping to Derisk Upfront

- Business users can create their own GenAI prototypes based on any kind of enterprise data in minutes
- End-users can immediately start providing feedback at scale that can be used to improve the GenAI models

Users can ask any kind of question on any kind of data, all in their cloud

Users can provide easy feedback or even edit the response of the SLM

One-click few-shot-learning and end-to-end automated fine-tuning

The screenshot shows the CHATAIBLE interface. At the top, it says "CHATABLE". Below that, there are tabs for "Analytics", "Natural Language Query", and "Anything". Under "Analytics", there are sub-tabs for "Summarization", "What's Changed", and "Root Cause". There are also icons for various cloud providers like AWS, Azure, Snowflake, and others. The main chat area shows a user question: "What is impacting sales?". The AI response is: "Successful Sales varies greatly by Day of Week, peaking at 19.1% on Thursdays and dropping to 5.5% on Sundays. Annual Income interacts strongly with Day of Week. For example, Saturday Successful Sales jumps from 0.92% for those earning \$60,000 or less to over 70% for those making more than \$120,000." Below the response, there are feedback options: a thumbs up icon with "3", a thumbs down icon, a button "Edit to Improve Response", a checkbox "Immediately Improve AI", and a badge "Ready to Improve AI 96% OF RECOMMENDED FEEDBACK". At the bottom, there is a text input field "Ask another question" and a button "Ask ChatAible".

2 Built-in Enterprise Guardrails to Secure By Design

- Implemented fully in the customer's cloud (including models) with no data egress
- Deterministic double-checking for hallucinations that traces back to source documents
- Can segregate VectorDBs and fine-tuned models by role, use-case, user

Because GenAI is only as good as the questions users ask, ChatAible asks millions of questions automatically at very low cost and auto generates an executive summary as a starting point (no user question needed)

ChatAible double checks the LLM response: If it's blue, it's true (completely deterministic, not generative)

Users can triple-check the summary via tool tips showing relevant charts

Detects and reports Anomalous Prompts

CHATAIBLE

AS What is impacting sales?

AI Executive Summary: The data consists of 73 columns and 1.2 Million rows, with the primary focus on the Successful Sales data. The data reveals that the day of the week has a significant impact on successful sale income, with the highest percentage of 19.19% on Thursdays and the lowest of 5.1% on Sundays. In addition, the interaction of 'Annual Income' and the 'Day of Week' has high value. On Saturdays, a Successful Sale is 70.13% when Annual Income is >120K and just 0.92% when Annual Income is <=60k.

Here's Successful Sales by Day of the Week where the Annual Income is over 120K

Day of Week	Percentage
M	20.36%
T	17.85%
W	11.97%
Th	19.19%
F	15.04%
S	5.1%
S	5.1%

Look at Day_of_Week is 6-Sat (15.04% of the data) because Annual_Income_Bucket is >120k behaves most differently in that case. The next four Annual_Income_Bucket is >120k behavior differences are Day_of_Week is 7-Sun (17.85% of the data), Day_of_Week is 5-Fri (13.84% of the data), Day_of_Week is 3-Wed (11.97% of the data), and Day_of_Week is 1-Mon (20.36% of the data).

3 Iterative Automated Improvement

- One-click few-shot learning and end-to-end automated fine-tuning (from user feedback collection to model deployment)
- Serverless A-Z testing for rapid experimentation in parallel. Understand cost & time savings
- Adjusts at scale without end-user disruption as new technology emerges

CHATAIBLE

AS How can I decrease customer churn?

AI The ChatAible analysis reveals your win rate is 33% for customers with medium Credit Score. The most important factor is Tenure where the win rate drops to just 5% for customers with higher Tenure.

Customer Support App Test

Positive Feedback: 38%, 72%, 51%

Daily Usage (Total Questions): Line chart showing usage from 5-9 to 5-18.

App Name	Total Chats	AVG Response Time	Avg Cost	Total Questions	Questions / Chat
Customer Support Chats (Baseline)	782	15.4 seconds	\$0.0023	5,612	7.1
Customer Support Chats (Fine Tuned)	1,624	1.2 seconds	\$0.0087	17,452	10.74

Model Settings

Give the LLM context from the last 3 questions

Document Search Settings (VectorDB)

Answer Caching

Cost Settings

Use Case Lineage

Prompt Augmentation

Feedback

Speed

Cost

Augmented Analytics

Few-shot Learning

Model Settings

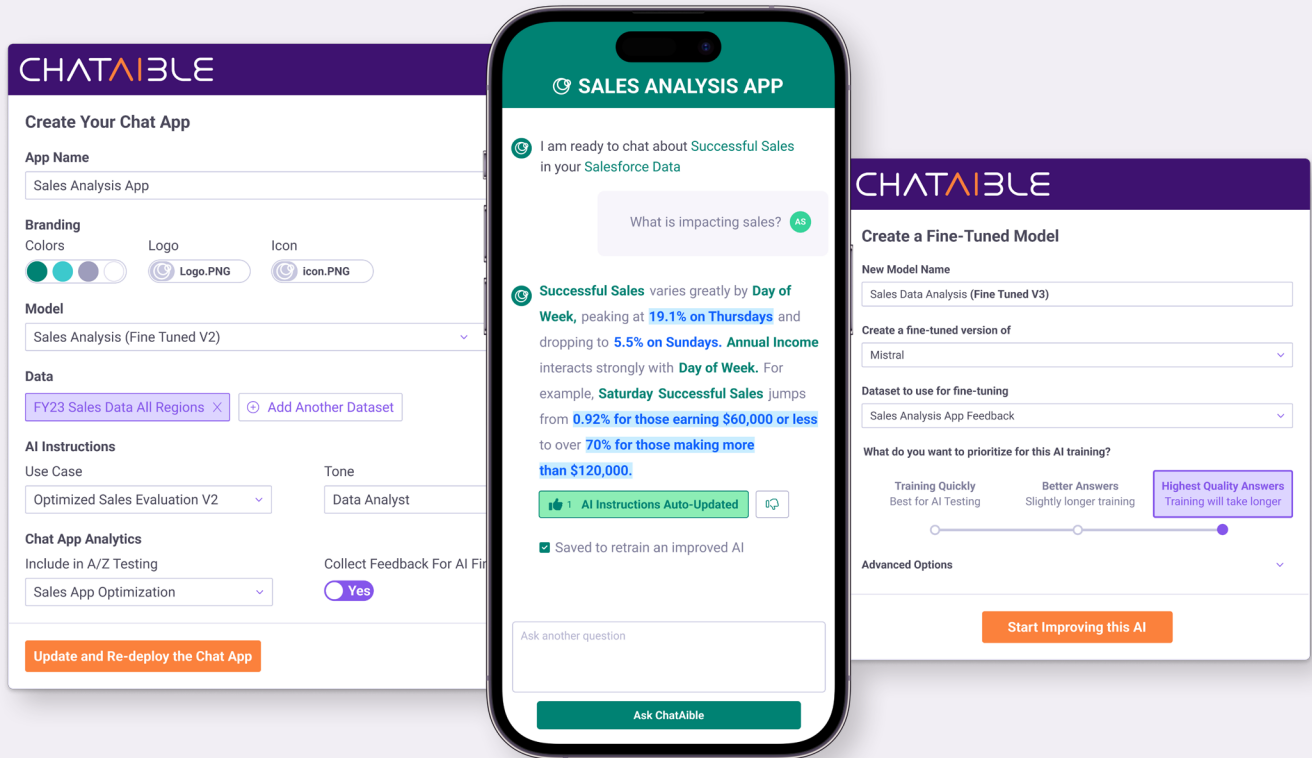
Vector DB

Prompt Engineering

Fine Tuning

4 Automated Deployment & Integration

- Leveraging serverless techniques, automatically deploys the VectorDB and models in the customer's own cloud in a scalable way without having to size the servers
- Complete automation that delivers all DevOps steps including creating and deploying necessary data processing/transformation code, setting up secure gateways, etc. in less than 10 minutes
- Includes out-of-the-box integrations for the model with platforms like Salesforce, Looker, PowerBI, Tableau, Boomi, etc. as well as any place where Google Maps can be integrated



Final Consideration in Times of Rapid Change

GenAI technologies are changing rapidly. It makes no sense to obsess over which is the 'best' model, VectorDB, etc. because the best model will change constantly. You need to design your solution to be flexible. Aible is designed so that end-user experience can be improved without disruption as new technology changes. For example, when a new model arrives, the Aible Chat Templates need to be adjusted so that the prompt augmentation and default settings change based on the needs of the model. The user does not need to learn how to write new prompts for the new model. Aible translates their questions to the appropriate prompts for each model and each use case. The same flexibility that enables rapid iteration, enables rapid adjustment to change.



Learn How Aible Delivers
Enterprise GenAI Projects in 30 Days

AIBLE