

TAILWINDS

THE UI FOR AI

BUILT
ON



Amazon Bedrock

POWERED
BY



IBM watsonx Assistant



Pitch Gauge provides software for roof measurements, lead management, and project management, and is already the **#1** downloaded roofing app with more than **325,000** downloads, but wanted to continue to enhance their product with **new AI-powered capabilities**. Innovative Solutions leveraged its Tailwinds platform to rapidly implement and orchestrate a proof of concept powered by Amazon Bedrock and IBM watsonx Assistant to provide instant feedback on roof photos, helping Pitch Gauge's contractor customer base provide more accurate quotes with risks, advice, and more through a natural language interface.

BUSINESS OBJECTIVES

1	Enhance the existing Pitch Gauge SaaS platform with AI-powered capabilities.
2	Provide instant, accurate feedback on roof photos to contractors.
3	Offer proactive advice on estimating and potential risks.
4	Increase the value proposition for end customers.
5	Drive additional revenue through advanced feature offerings.
6	Implement an AI solution quickly and efficiently.

THE CHALLENGE

Pitch Gauge had already established itself as a comprehensive roofing software solution, offering features like accurate roof measurements, project management, and team collaboration. However, they wanted to further differentiate their solution and provide even more value to their customers. The company identified a crucial need among roofing contractors for quick, accurate assessments of roof conditions based on photos.

Traditionally, this process required time-consuming manual analysis or expensive in-person inspections. Pitch Gauge needed a solution that could automate this process, providing instant feedback and advice to contractors, thereby saving time and improving the accuracy of estimates. Additionally, Pitch Gauge faced the challenge of integrating complex AI technologies into their existing platform without disrupting their current operations or requiring extensive development resources.

THE SOLUTION

Pitch Gauge selected Innovative to develop a POC of an AI-powered chatbot using Tailwinds, its proprietary AI workflow automation platform. Tailwinds orchestrated the seamless integration of Amazon Bedrock and IBM watsonx Assistant, enabling rapid prototyping in just days. The final solution was architected to integrate smoothly with Pitch Gauge's existing SaaS platform, offering:

- ✔ **Photo Analysis:** Leveraging Amazon Bedrock's image recognition capabilities, the chatbot analyzes uploaded roof photos with high accuracy.
- ✔ **Instant Feedback:** Contractors receive immediate insights on roof conditions, potential issues, and estimation guidance.
- ✔ **Risk Assessment:** The AI identifies potential risks or complications, allowing contractors to prepare accordingly.
- ✔ **Proactive Advice:** The system offers suggestions for materials, techniques, and best practices based on the specific roof condition.
- ✔ **Natural Language Interface:** Powered by IBM watsonx Assistant and orchestrated by Tailwinds, the chatbot provides a conversational experience, allowing contractors to ask follow-up questions and receive clarifications.

ARCHITECTURE

The solution architecture leverages Tailwinds as the central orchestration platform, seamlessly integrating Amazon Bedrock for AI model access and IBM watsonx Assistant for natural language processing. This approach ensures scalability, performance, and ease of management, while allowing Pitch Gauge to focus on their core business logic rather than AI implementation details.

SOLUTION KPI TARGETS

- 40%** Reduction in time spent on initial roof assessments.
- 25%** Increase in estimation accuracy, leading to improved project planning.
- 30%** Boost in contractor satisfaction ratings.
- 20%** Growth in revenue through premium AI-enabled subscriptions.
- 15%** Increase in new customer acquisition, attributed to the innovative AI feature.
- 70%** Faster time-to-market for the AI solution compared to traditional development approaches, thanks to Tailwinds.

WHY WORK WITH A GENAI PARTNER

Innovative Solutions is a Premier Tier AWS Partner, specializing in AI and machine learning solutions. Our Tailwinds platform, coupled with expertise in Amazon Bedrock and IBM watsonx Assistant, enables businesses to leverage cutting-edge technology to solve complex challenges and drive growth rapidly and efficiently.

For more information on how Innovative Solutions and our Tailwinds platform can help transform your business with AI-powered solutions, visit innovativesol.com/tailwinds.



innovativesol.com | (585) 292-5070

