aws marketplace

GENERATIVE AI SOLUTION SPOTLIGHT

Enhance productivity and automate complex manual tasks with generative AI

Automate term sheet generation and reporting processes with AI21 Labs' Foundation Models and Task-Specific Models (TSMs) on AWS

Businesses across industries face common barriers to successful implementation of generative artificial intelligence (AI) technologies, such as high costs and longer time-to-value, but financial services enterprises also see challenges that are unique to the sector, including:

An emphasis on accurate reporting
Banks and other financial services adhere to strict regulatory standards and cannot risk inaccurate compliance reporting.

Inefficient workflows
Financial reporting processes can be tedious and time-intensive, requiring manual input to ensure accurate numbers.

AI21 Labs helps address these challenges with specialized models and dedicated customer support. The company's groundbreaking Jamba Foundation Model will soon be available on Amazon Web Services (AWS). The model is optimized for accuracy on long context use cases (which solve core enterprise challenges)—outputting documents, like term sheets, that capture and format all original details. The model automates the term sheet generation process and other repetitive reporting processes, allowing bankers to work more efficiently and minimize risk of human error.

In collaboration with:

AI21 labs

Partnering with AI21 and AWS

AI21 builds models that are optimized for cost and accuracy and provides each client with a dedicated team to blueprint their unique generative AI solution and alleviate common pain points.

Working with AI21, companies are seamlessly guided from prototype to production by AI21's team of solution architects and account executives—from identifying the right use case and project scope to establishing metrics and building a minimum viable product (MVP). Using the private and secure environment of AWS, financial services organizations can scale and accelerate the use of generative AI in production with AI21's powerful large language models (LLMs) and expert guidance at every stage.

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How it works for financial services

AI21's Jamba Foundation Model—coming soon to AWS—generates common financial documents, such as term sheets, investor updates, and loan agreements. The model follows a streamlined process:

1. **Reviews the input,** such as a short call summary.
2. **Extracts key insights.** The model distills the most important points from the provided text.
3. **Generates the output.** The model formats the most important points into the proper structure, with all relevant numbers filled in accurately.

Key generative AI outcomes in financial services

Increase efficiency and reduce costs:
AI21's models help automate repetitive reporting to increase banker productivity, allowing them to focus on other high-value tasks.

Improve risk mitigation:
AI21's models help banks produce error-free term sheets to improve accuracy. With AI21's banking customer, the company's models eliminated errors that were identified in the original, manually created term sheets.

Using generative AI tools on AWS

AI21's Jamba model minimizes generative AI adoption barriers for financial services companies. Using Amazon Bedrock, companies can seamlessly access, privately customize, integrate, and consume AI21's models in their AWS environment without having to manage infrastructure or possess natural language processing (NLP) expertise. Organizations can experiment, build, and deploy generative AI applications that are accurate, reliable, and secure with ease.

Additionally, Amazon SageMaker JumpStart allows financial organizations to fully customize solutions for generative AI applications depending on their use case. Companies can use AI21's LLMs and Task-Specific Models (TSMs) for sophisticated text generation tasks using natural language instructions, such as grounded question answering, text generation and editing, and summarization—with complete control within their AWS environment.

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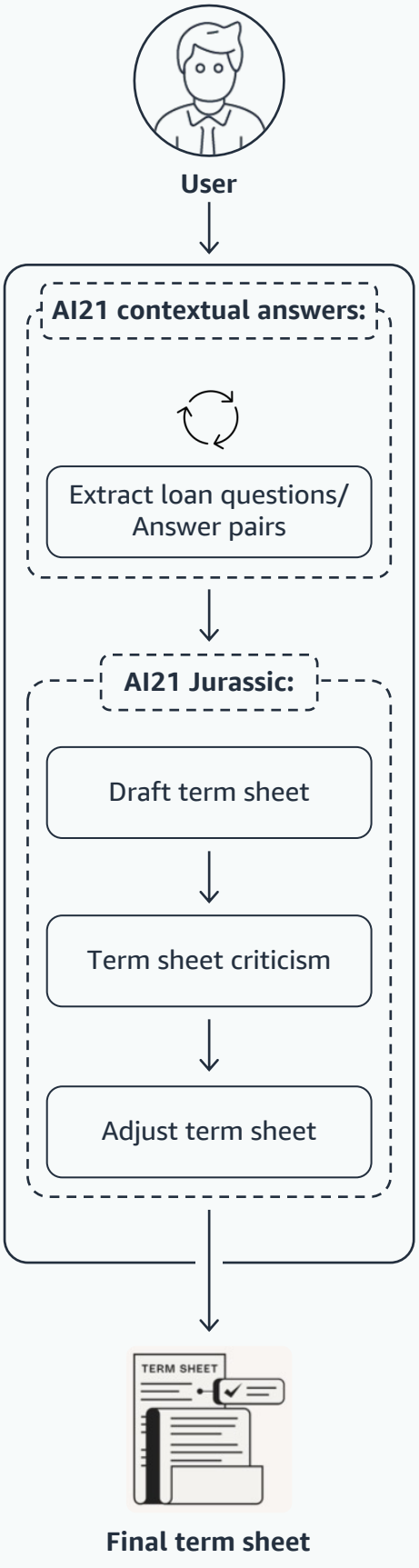
Customer stories

Creating accurate AI-generated term sheets for a global bank

One of the world's leading banks—which serves millions of customers, clients, and communities in more than 100 global markets—needed to quickly summarize client calls and generate post-call term sheets that accurately reflect the terms of a complex financial transaction. However, manually filling in the numbers and financial shorthand is time-consuming. AI21's Jurassic-2 model auto-generated customized term sheets, and reported information from a short call summary, with all relevant numbers and financial terms accurately, properly formatted and error-free. The model extracted key details from summaries and transformed them into investor updates, loan agreements, and other formats, enhancing banker productivity and saving significant manual effort.

Reducing a digital bank's customer support tickets by 40 percent

One Zero, an award-winning digital bank, uses advanced technology to solve the complexities of money management. The bank relied on chatbots for 24/7 customer support, but the solution struggled to provide personalized and specific responses to customers. This led staff to spend more time on mundane inquiries and less time on genuine customer engagement. Applying AI21's TSMs, the bank used a chatbot to understand inquiries and automatically generate customized responses. The chatbot workflow prompted customers to input questions and it delivered specific cited responses. This has reduced customer support tickets by 40 percent, enabling staff to provide better customer experiences, and helped the bank gain a competitive advantage in the market.



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Generative AI on AWS

Start generating innovation with these performant, cost-effective, and easy-to-use tools purpose-built for generative AI.

Amazon SageMaker
Build, train, and deploy machine learning models at scale.

Amazon Bedrock
The easiest way to build and scale generative AI applications with foundation models.

Amazon SageMaker JumpStart
Deploy prebuilt machine learning solutions in just a few clicks.

Learn more ›

Get started with AI21's models on AWS.

See how you can leverage LLMs for financial documents.

About AI21 Labs

AI21 Labs provides enterprises with a suite of reliable AI systems to accelerate and scale the use of generative AI applications in production. AI21's models include the Jamba Foundation Model and Task-Specific Models (TSMs)—which are specialized language models built to solve key business challenges. Used across industries, such as financial services, healthcare, retail, education, and independent software vendors (ISVs), AI21's LLMs and TSMs power sophisticated text generation tasks using natural language instructions, such as grounded question answering, text generation and editing, and summarization.

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