

AI Transformation Brief

Featuring AI best practices and insights to enable our members to strategize, plan, develop, deploy, manage, and govern AI-based technologies and solutions.

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AI IN THE NEWS

Information Week interview with Info-Tech – Can anyone be a realistic competitor for OpenAI? [Read News Article](#)

On February 16, 2024, the New York Times reported that OpenAI was valued at \$80+ billion. That valuation, coupled with billions of investments from Microsoft, has placed OpenAI as the leader in both market share and mind share. Information Week poses the question of whether any organization can effectively compete against OpenAI to Bill Wong, Info-Tech AI Fellow.

ANALYST ANALYSIS

It's been over a year since the introduction of ChatGPT in the market, and the interest in and focus on AI continues to be at an all-time high. Being first in the market gives the OpenAI models a head start with a leadership position in the market. However, the market is still in its infancy, and market leadership requires continued innovation. Yes, it's not only realistic but highly likely that other AI models will grow and take away share from OpenAI. Factors that will drive adoption of competitive offerings include advanced reasoning capabilities, speed and efficiency, responsible AI considerations, greater transparency, and openness.

ChatGPT goes 'off the rails' with gibberish answers [Read News Article](#)

"On February 20, 2024, an optimization to the user experience introduced a bug with how the model processes language." OpenAI released this statement when ChatGPT started to produce nonsensical responses. Examples include:

- "the cogs en la tecla might get a bit whimsical."
- "sesquipedalian safes are cross-keyed and the consul's cry from the crow's nest is met by beatine and wary hares a'twist and at winch in the willow."

ANALYST ANALYSIS

Unfortunately, we are likely to see more of AI models creating nonsensical responses. Other recent misbehavior of models includes:

- Last month, Google stopped its Gemini chatbot from generating images of people a day after apologizing for "inaccuracies" in historical depictions that it was creating.
- This month, a Microsoft engineer went public on issues with Microsoft's Copilot Designer, powered by OpenAI's DALL-E 3, saying it lacks appropriate restrictions on its use and has generated sexualized images of women when given completely unrelated prompts (e.g. "car accident" as the prompt). Unlike Google, Microsoft has taken no action with its tool.

AI IN THE NEWS

Artificial Intelligence Act: MEPs adopt landmark law [Read News Article](#)

On March 13, the European Parliament passed the world's first comprehensive legal framework on the use of AI. This was viewed as the last political hurdle before the proposed AI Act becomes law. Formal parliamentary approval of the AI Act is expected in April, and the Act is expected to become official in May or June this year. Full enforcement of the AI Act will be phased in over the next two years.

ANALYST ANALYSIS

The AI Act uses a risk-based assessment to determine the level of scrutiny. The higher the potential risk of the application, the greater the required regulation and auditing. While the jurisdiction of the Act is focused on the EU member countries, this will have an impact on all non-EU businesses, including those in the UK and the US, wishing to operate in the EU. Critics of the EU AI Act range from those with concerns that the legislation will impair innovation for EU-based firms to those who feel the Act does not go far enough, citing large loopholes related to what technologies (e.g. facial recognition) can be deployed and a lack of focus on human rights.

Introducing the next generation of Claude [Read News Article](#)

On March 4, Anthropic released Claude 3, its next generation of AI models. The family of models include:

- Claude 3 Haiku: The fastest and most compact model, positioned as more cost effective than OpenAI and Google's offerings.
- Claude 3 Sonnet: The mid-range offering that delivers balanced performance and speed.
- Claude 3 Opus: The most powerful model, claiming to outperform GPT-4, ChatGPT, and Gemini.

ANALYST ANALYSIS

Claude 3 is an impressive offering, with all its models excelling in their ability to analyze, forecast, and generate content and code. The models' multimodal capabilities enable them to process visual data. The models have evolved; previous releases sometimes refused to respond, but the models' recognition has improved so this occurs less. Finally, the Opus model can outperform both GPT-4 and Gemini on a wide range of tasks.

One of the key differentiators of these AI models is Constitutional AI, which can be used to enforce responsible AI principles. Positioning Claude 3 as the "safest models" to use, the Constitutional AI component can be used to filter both prompts and responses from the model. Prompts can be checked against principles outlined in the constitution to prevent illegal requests. The model's responses can also be assessed against the same constitutional principles to prevent offensive language and harmful content.

Claude 3 is planned to be available on Google and AWS.

Mistral AI releases its Chatbot to rival ChatGPT [Read News Article](#)

On February 26, Mistral announced Mistral Large as its most capable model, with top-tier reasoning capabilities. The company claims its reasoning abilities approach GPT-4. The company also announced the availability of Mistral Large on Azure and said it will also be available on AWS Bedrock soon.

ANALYST ANALYSIS

While Mistral is an organization better known for working with and promoting open-source technologies, Mistral Large is a proprietary model. What's also new is the announcement of the \$16M investment from Microsoft to further develop its partnership with Mistral. This has drawn attention from the European Commission, which is scrutinizing Big Tech's involvement in generative AI companies. For Microsoft, this demonstrates growth of alternative solutions to OpenAI available on Azure, including Mistral and Databricks.

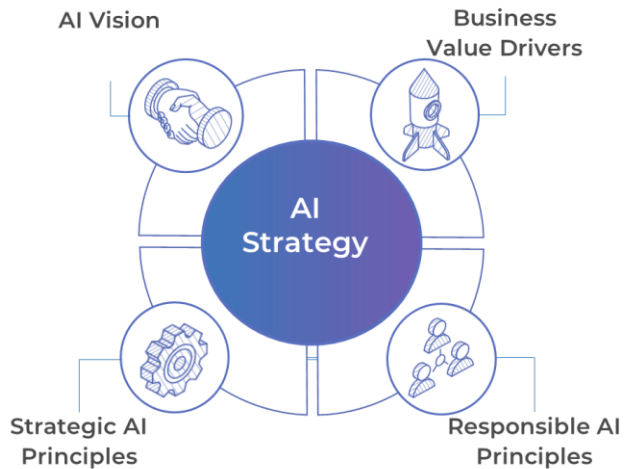
Build Your AI Strategic Roadmap **New!**

Components of an AI strategy

Driven by the stakeholders of the organization and focused on delivering improved business outcomes

A business-driven AI strategy is aligned with the organizational strategy of the firm. Key components of the AI strategy include:

- **AI Vision:** AI vision statement is usually forward-looking, aspirational, and reflects the organization's commitment to leveraging AI to deliver positive and responsible outcomes.
- **Business Value Drivers:** These drivers represent the key ways value is recognized by the organization and are used to ensure candidate AI initiatives are aligned to the goals and objectives of the organization.
- **Strategic AI Principles:** Guiding principles that align the business strategy with the AI strategy and reflects the organization's overall approach to the use of AI.
- **Responsible AI Principles:** Guiding principles to govern the development, deployment, and maintenance of AI applications to mitigate the possible risks from deploying AI-based applications.

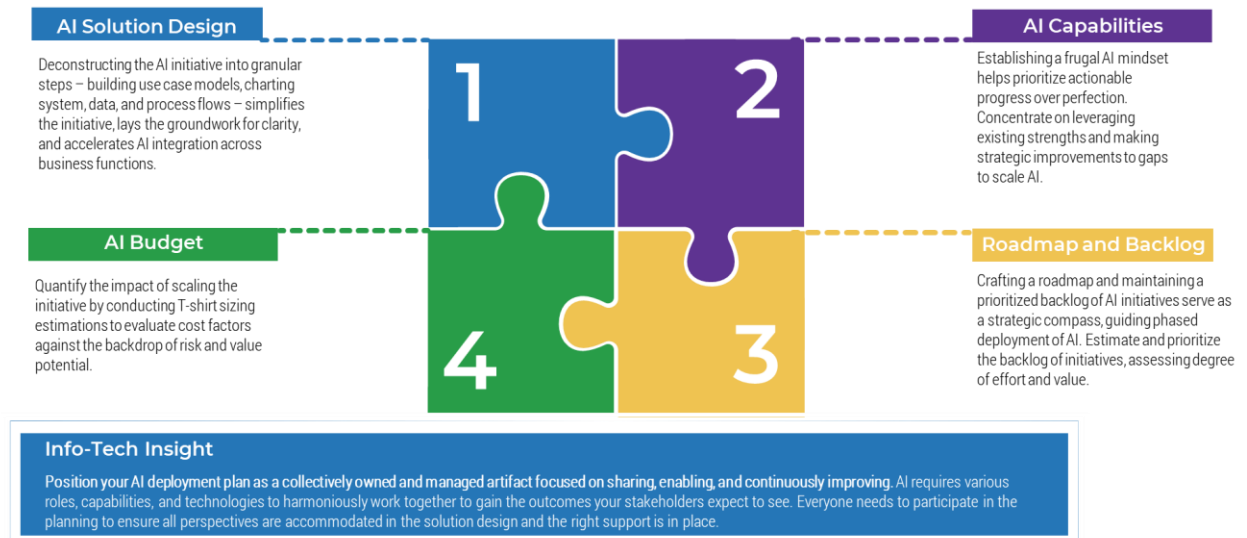


Source: [Build Your AI Strategic Roadmap](#)
Info-Tech Research Group

Build a Scalable AI Deployment Plan **New!**

Deploy AI at scale

Deploying at scale requires careful consideration of several different elements.



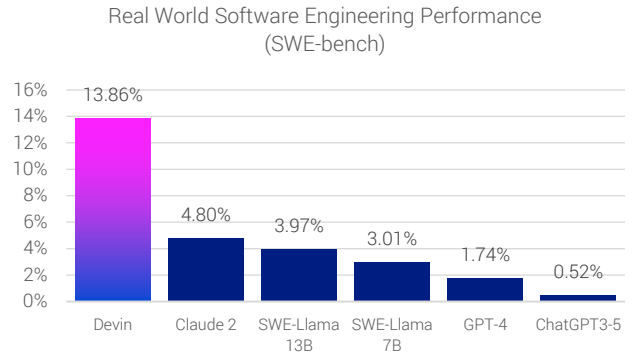
Source: [Build a Scalable AI Deployment Plan](#)
Info-Tech Research Group

VENDOR SPOTLIGHT: DEVIN AI – THE WORLD'S FIRST FULLY AUTONOMOUS AI SOFTWARE ENGINEER

Devin AI

[Devin AI](#) autonomously handles full software development projects, from planning to execution. It is positioned as not just a coding assistant, but more like an AI team member, making complex decisions and updating progress in real time. Its AI software engineer capabilities include:

- Learning and using new technologies rapidly.
- Building and deploying applications from start to finish.
- Identifying and rectifying bugs in extensive codebases.
- Contributing to mature production repositories.
- Training and fine-tuning AI models autonomously.



Source: "Introducing Devin, the first AI software engineer," Cognition Labs, 2024



What makes Devin AI different?

The performance of Devin AI has been rigorously tested on the SWE-bench coding benchmark, where it has dramatically outperformed the previous state-of-the-art AI models. With an unassisted issue resolution rate of 13.86%, Devin AI has proven its capability to excel in real-world scenarios.

UPCOMING AND RECENT EVENTS

[Info-Tech Leadership Summit](#), Nashville, TN – April 3-5, 2024 →

[Info-Tech Leadership Summit](#), Vancouver, BC – May 29-31, 2024 →

[Info-Tech Leadership Summit](#), Chicago, IL – June 19-21, 2024 →

[A New Partner in Crime: AI-Driven Loss Prevention Webinar](#), March 19, 2024 →

[Putting AI in the Game: Gen AI Use Cases in Sports & Entertainment Webinar](#), March 19, 2024 →

[Decoding Crime: AI Use Cases in Policing Webinar](#), March 20, 2024 →

[Industry 4.0 + 5.0: Summing Up the Future of Manufacturing Webinar](#), March 20, 2024 →

[Leverage Gen AI to Improve your Test Automation Strategy Webinar](#), March 20, 2024 →

[Mapping the Future: GIS Strategy Use Cases Webinar](#), March 21, 2024 →

[Supply Chain Visibility Systems Webinar](#), March 21, 2024 →

(and many more events...)

AI AND DATA ANALYTICS SOLUTIONS – RESOURCES

[AI Marketplace](#)

[Artificial Intelligence Research Center](#)

[Workshops](#)

Build Your AI Strategic Roadmap

Launch Your AI Proof of Value

Build a Scalable AI Deployment Plan

Govern the Use of AI Responsibly With a Fit-for-Purpose Structure

AI EDITOR-IN-CHIEF

[Bill Wong](#) – Info-Tech AI Research Fellow