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Here are the Most Popular Chat Bot Development Frameworks to be Considered for your Website or Mobile Apps



Rahul Singh · [Follow](#)

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The Best Chatbot Frameworks out there

80% of businesses are expected to have chatbot automation by 2022. Interactive applications that engage customers through meaningful dialogue, chatbots are the way forward for companies that intend to beautify their customer service, marketing, and lead generation operations. The choice of Chatbot builder can be a game-changer when it comes to creating chatbots for your business. Businesses profit from personalized marketing thanks to Chatbots that make one of the few communication channels to offer a genuine one-to-one experience between brands

and users.

Here are the Top Chatbot Development Frameworks You Must Consider

Microsoft Bot Framework

Designed exclusively to interact, talk, listen, and communicate with your customers, Microsoft Bot Framework builds phenomenal frameworks. This A.I. chatbot platform comes with the ability to integrate with the most popular application offered by Microsoft suite like Cortana, office 365, and so on.

Businesses can use Microsoft Bot framework and train chatbots using the existing conversation and azure cognitive service. Chatbots can understand people's communication through text, SMS, video, and speech. It deploys active learning and includes pre-existing, pre-build models that allow chatbots to interact with users on chat programs they're already using, such as Skype, Slack, Facebook Messenger, Cortana, Microsoft Teams, Kik, and more. The open-source SDK allows businesses to test chatbot products even before it is deployed into a channel. Powered by A.I. and machine learning, Microsoft Bot based chatbots can also reply to the most complicated questions asked by the visitors.

Build, connect, publish, and manage smarter chatbots with Microsoft Bots Framework.

Wit.ai

Wit.ai is a free and open-source Natural Language Processing API that businesses use to create text-based and voice-based bots. These chatbots can be integrated on all kinds of messaging platforms. The framework supports almost any language spoken all over the world.

It uses various Machine learning algorithms to extract meaningful information. Wit.ai learns from human language when any interaction takes place. Businesses are leveraging this API in mobile apps, home automation, wearable devices and hardware. Wit.ai makes great chatbots for applications, which run mainly on mobile screens or tiny devices like wearables, by activating a voice interface. SDK is available for Node.js, Python, and Ruby.

Wit.ai is available via GitHub.

Dialog Flow

Google acclaimed Dialog Flow is a chatbot framework with unique voice navigating features. Businesses can use DialogFlow to digitize business processes to save time and money that goes into hiring expert community managers.

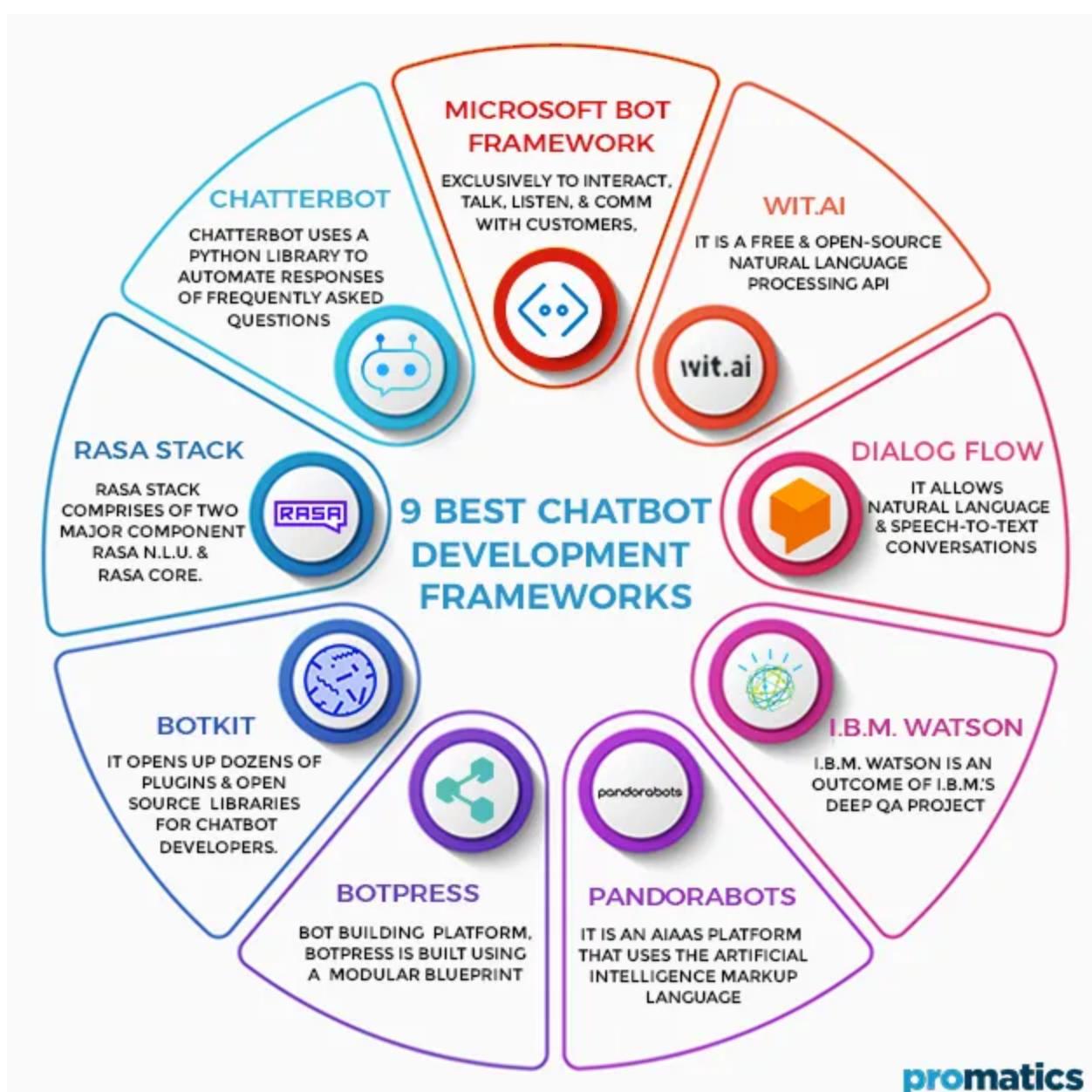
This framework uses Speech-to-text and natural language conversations to facilitate automated human-computer interaction. Dialog Flow framework leverages Google cloud architecture and AI-powered sophisticated system to convert speech into text. Google also used big data to understand what users are saying and respond accordingly. The framework comes with an Inline code editor that makes it easy for everyone to integrate multi-functional intelligent chatbots into their systems. Users can interact with brands through the website, on Google Assistant, Alex, Facebook Messenger, and other platforms, when the chatbot is built using Dialog Flow.

Dialog Flow supports 20+ languages!

I.B.M. Watson

I.B.M. Watson is an outcome of I.B.M.'s DeepQA project. The prolific chatbot framework uses the neural network to respond with naturally processed replies. The framework offers pre-trained and pre-integrated architecture which makes it easier to deploy. I.B.M. Watson can help businesses build chatbots that facilitate better service, both internally and externally.

The framework is extensively used to develop chatbots for healthcare units that can actively take patient data and identifies potential diseases using the power of natural language processing. Chatbots build on I.B.M. Watson framework can even help doctors prescribe proper treatments and medicines. It is primarily designed to work as a question-answering system with dynamic dialogue flow. Businesses also leverage their distinct capabilities to retrieve information and essential data.



Nine Best Chatbot Development Frameworks you should consider for your Website or Mobile Apps

Pandorabots

It is a popular open-source chatbot development framework that offers businesses tools to develop, launch and iterate their chatbots with ease. It is an AIaaS platform that uses the Artificial intelligence markup language and also includes The Artificial Linguistic Internet Computer Entity (A.L.I.C.E.)

Businesses use Pandorabots to build intelligent chatbots for businesses and third-party applications. With this framework, companies can reach the maximum number of people by leveraging two-way communication in their preferred

channels. Pandorabots' extensible SDK covers all the tools a chatbot developer can need to create, launch, and emphasize a chatbot. Pandorabots framework uses Artificial Intelligence Modelling Language, which is an XML-based language. It also leverages Artificial Linguistic Internet Computer Entity to process human language naturally. Pandorabots supports static images and GIFs. The framework comes with SDKs for Java, Node.js, Python, Ruby, PHP and Go. Machine learning capabilities of the chatbots developed with the help of Pandorabots help drive leads to your business from various messaging platforms. Add to it Pandorabots' artificial intelligent XML markup language for visualization and creating human interfaces that keep conversations simple & easily understandable.

Pandorabot chatbot builder has been used to develop chatbots for voice interfaces, eCommerce, customer service, marketing and more, in the past. While the basic version is offered free of cost, the company provides multi-dimensional pricing plans for businesses with advanced requirements.

Botpress

A dual-license open-source bot building platform, Botpress is built using a modular blueprint.

With Botpress, businesses can cut-off pieces off and add new bits on an existing code frame for chatbots. It promises a developer-friendly environment through an intuitive dashboard and its flexible technology. Botpress framework runs on a three-stage installation process. First, the developers start building the bot, then they deploy it to their preferred platform, and thirdly, they hand-off access so that it can be efficiently managed. Businesses can build chatbots locally and use their favorite cloud hosting.

BotPress framework runs on-premise, and the business enjoys full control over the data that comes in and out of the chatbots. Chatbot developers can fully customize the chatbot to add business logic or integrate the 3rd party APIs etc. with Botpress. Botpress comes with several pre-installed components like an N.L.U. Engine, an administration dashboard, and a visual flow editor. Superior features of the Botpress framework like the Flow Builder and Dialog Manager facilitate the building and debugging of complex conversation flows. Thus, it offers vivid functionalities like

chat emulator/debugger and support for multiple messaging channels in a chatbot.

The framework is available under both the A.G.P.L. license and the Botpress Proprietary License.

Botkit

Botkit is a platform for a community of more than 7,000 developers from around the world. Another open-source chatbot building tool, Botkit features integrated Natural Language Processing from LUIS.ai.

It opens up dozens of plugins and open source libraries for chatbot developers. Botkit also features a visual conversation builder. The framework also features built-in stats and metrics — Botkit with various tools including Slack, I.B.M. Watson, Glitch, and Heroku. Botkit.ai allows developers to add plugins as per the needs of the business.

Botkit has a free version and paid versions start from \$5/month, the cost varies depending on how many bots and active users a business interacts with.

RASA Stack

A renowned open-source Chatbot framework, RASA Stack comprises of two major components Rasa N.L.U. and Rasa Core. It is a refined set of open-source machine learning tools, that can be used to create chatbots and assistants. With RASA NLU, chatbots can understand natural language, and with RASA core it gets conversational functionalities. Thanks to interactive and supervised machine learning RASA core chatbots can indulge in a sophisticated dialogue with the end-user.

With RASA Stack, the chatbot can be deployed on the server of the business. Businesses that prefer to keep all the components in-house, opt for RASA Stack. Being an independent service, all the data fed to the framework or received by it, don't need to run through a third-party API. Chatbots built with RASA Stack can perform contextual dialogues, recognize user intent, and even exact entities.

The framework is production-ready. A paid and functionally advanced version of RASA Stack is also available in the name of the RASA Platform.

ChatterBot

Powered by machine learning, ChatterBot uses a python library to automate responses to frequently asked questions put forth by the customers. The framework eases the workload of developers and simplifies the process of building conversational chatbots.

The end products are language independent and can quickly learn any language. ChatterBot framework allows chatbots to slowly pick up learning after its deployment, which contributes to the accuracy and speed of the responses over time. Each interaction with an end customer allows Chatbots to gain knowledge and improve its performance of producing replies, thanks to machine learning algorithms. Leveraging the A.I. tech of the ChatterBot framework, chatbots can generate random but accurate answers even for the same type of question. Because the framework stores and manipulates data, it can search the closest statements that match the question pattern while stimulating responses to the customers.

This Node.js driven framework churns out sophisticated and dynamic chatbots for businesses.

Conclusion

With time, Chatbots are becoming an integral part of the customer experience. Businesses that decide to leverage chatbot tech into their customer service, marketing, and lead generation operations, stand a chance to ace the race.

Best Chatbot Builders | Chatbot Development | Top Chatbot Platforms | Chatbots
outperforming chatbots that help them gain a competitive advantage and digitize the
Chatbot Platforms. Choosing the right chatbot platform opens up thousands of possibilities
to achieve a business goal. While there is no ‘the’ perfect chatbot development
framework, the choice needs to be based on the particular requirements of the
business. Hope this precise list of Top Chatbot development frameworks helps you
in making the right choice.

Note: An older version of this article first appeared at: [Here Are The Most Popular Chatbot Development Frameworks](#)



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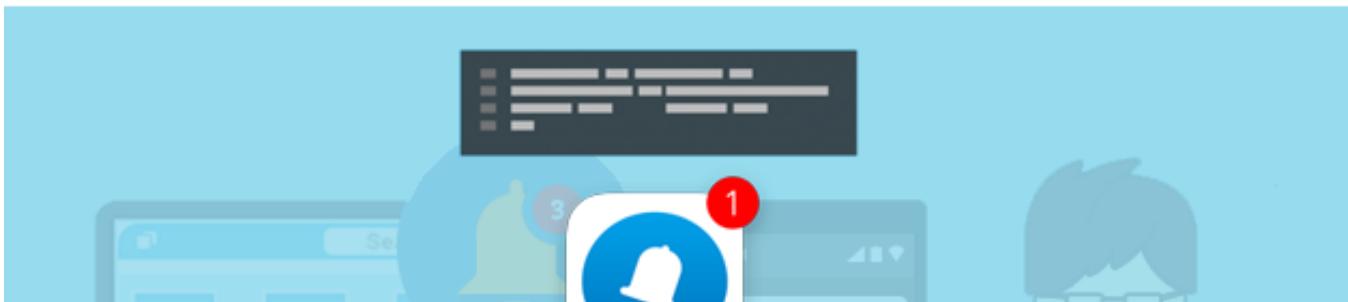
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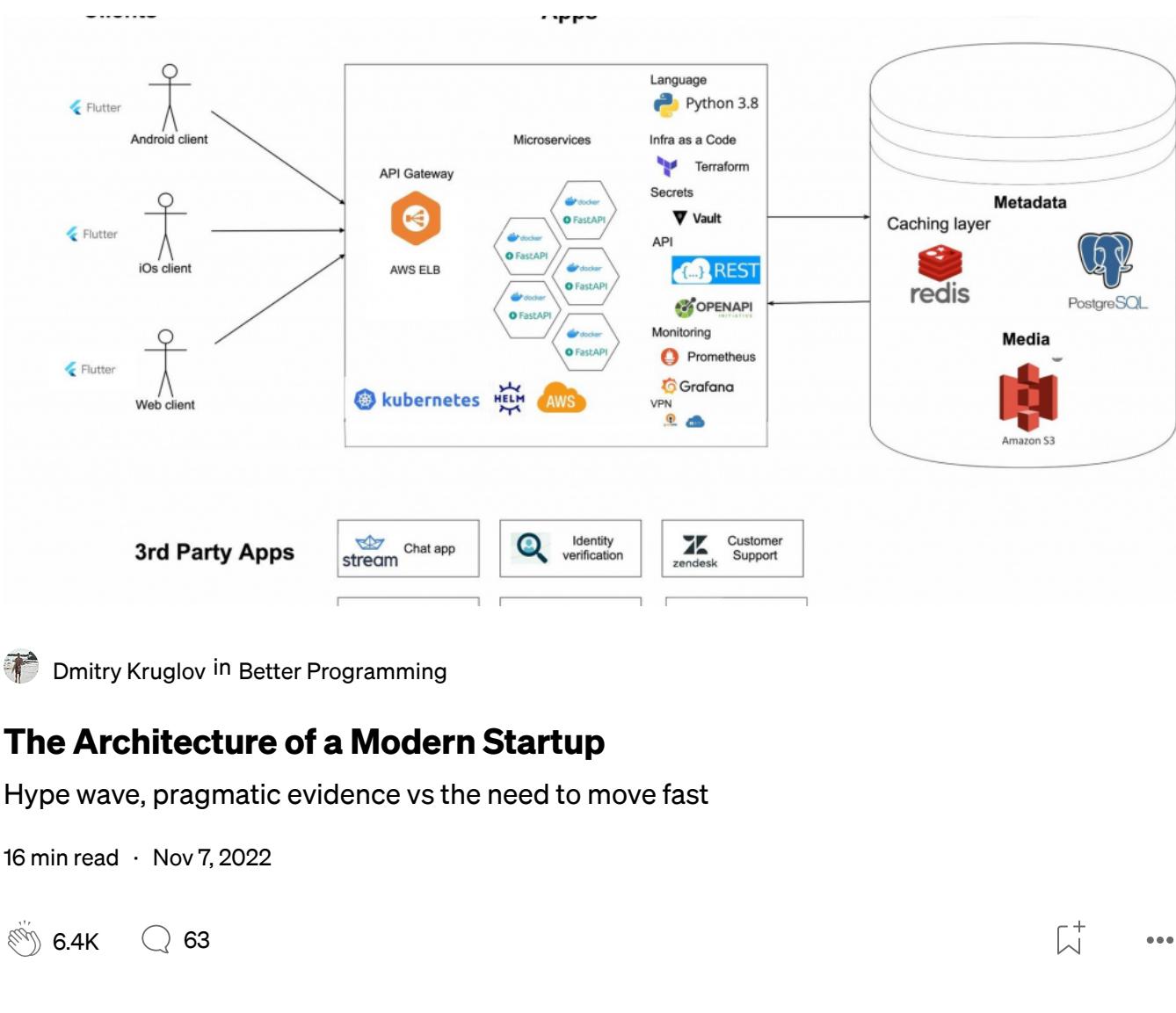
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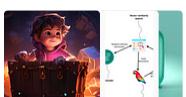
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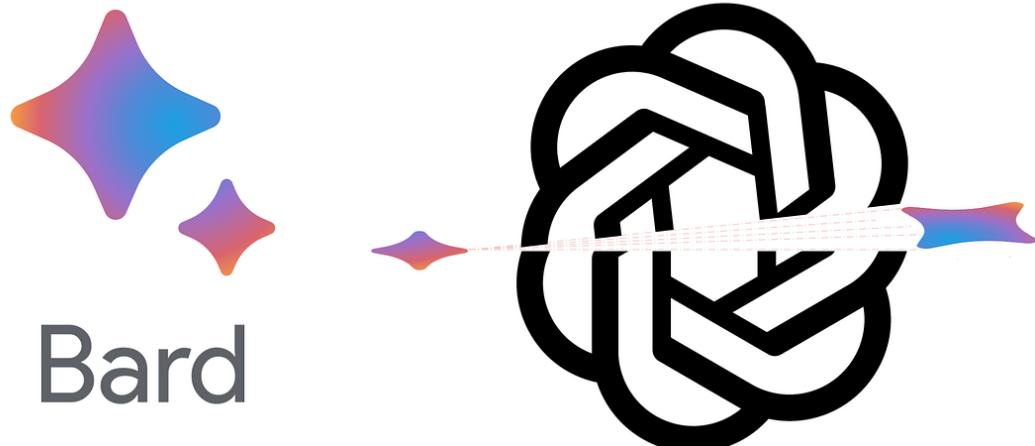
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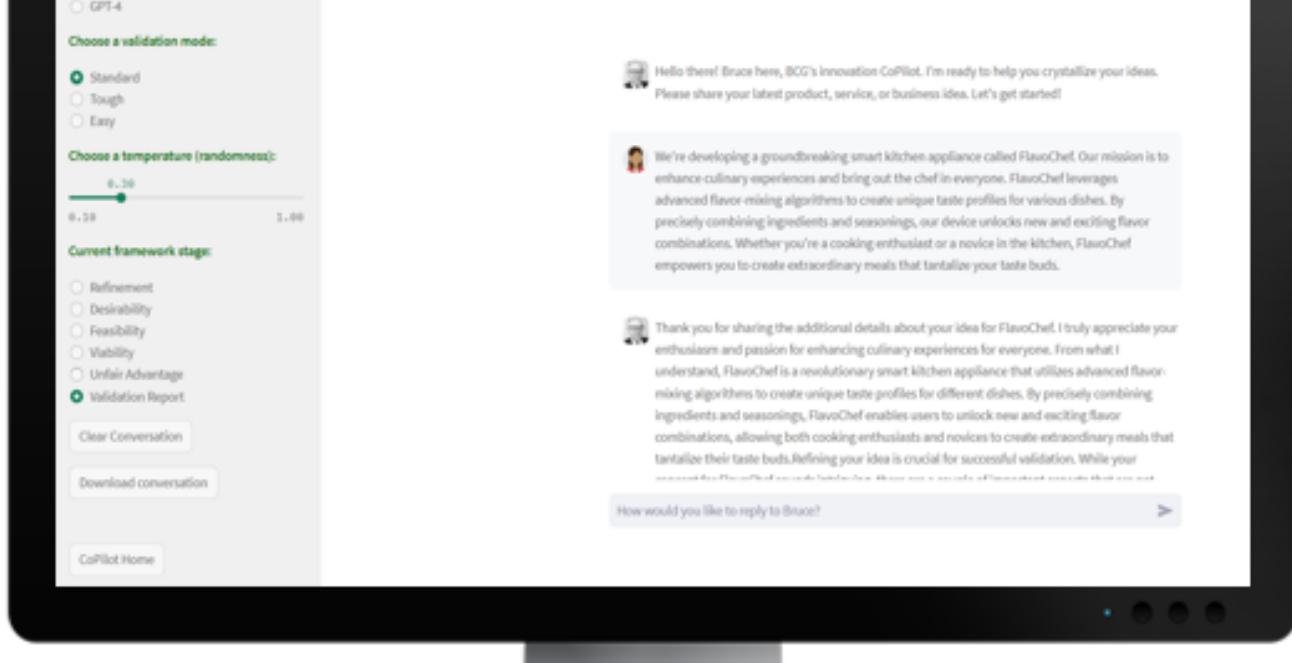
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