

aws marketplace

AssemblyAI

Reviews, tips, and advice from real users



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Product Recap

 AssemblyAI

AssemblyAI Recap

AssemblyAI offers advanced speech recognition technology tailored for developers. Its robust API facilitates easy integration into existing systems, making it a versatile option for many applications.

AssemblyAI proficiency in speech-to-text conversion is highly regarded. By leveraging state-of-the-art machine learning models, it provides reliable transcription and voice processing capabilities. Its adaptable API design supports integration across desktop, mobile, and web platforms. This flexibility makes it suitable for a wide range of businesses seeking to enhance customer interactions and automate workflows with voice technology.

What are the standout features of AssemblyAI?

- **Speech-to-Text:** Provides accurate automatic transcription of audio.
- **Real-Time Transcription:** Delivers instant speech recognition feedback.
- **Advanced Punctuation:** Automatically formats punctuation for readability.
- **Speaker Identification:** Distinguishes between different speakers in audio inputs.
- **Language Support:** Offers extensive language detection capabilities for global reach.

What ROI benefits should be considered in reviews?

- **Cost Efficiency:** Reduces the need for manual transcription services.
- **Accuracy:** Enhances reliability and validity of automated transcriptions.
- **Scalability:** Adapts to growing business needs seamlessly.
- **Integration Ease:** Simplifies incorporation into existing tech frameworks.
- **Operational Efficiency:** Streamlines workflows through automation.

In industries like healthcare and media, AssemblyAI transforms operations by automating medical transcriptions and media subtitling, respectively. By reducing manual input, companies achieve faster processing and improved accuracy, optimizing their service delivery and operational efficiency.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

- ✓ “Using AssemblyAI ensured the transcript was highly accurate, meaning that the final educational tools generated by our LLM were of professional academic quality.”



Leen Batta

Full Stack Developer at a university with 10,001+ employees

- ✓ “AssemblyAI can make work really easier and faster, because why would I wish to spend more than four to five hours on a single one-hour transcript if with AssemblyAI I can do it within forty minutes?”



Shashank Suraj

Senior Research Analyst at a consultancy with 201-500 employees

- ✓ “I would suggest others to go for AssemblyAI because it is the best in the market in terms of accuracy, outputs, and the different languages that it caters to and transcribes.”



Shrimanta Satpati

Consultant at a tech vendor with 10,001+ employees

- ✓ “AssemblyAI has positively impacted my organization as it is in our active pipeline, making it one of the core building blocks of our product that we are currently making.”



Johurul Hassan Mazumder

Software Engineer at Next Generation Innovation L.L.C

- ✓ “AssemblyAI has positively impacted my organization because our users started using the chatbot much more from the moment we implemented AssemblyAI in the streaming tool, and usage increased by 300%.”



Joao Pimenta

Gestor De Alfeiras

- ✓ “AssemblyAI has positively impacted my organization because by using it, both our story narrators and story readers benefit greatly.”



Niranjan Shukla

Senior Software Engineer at Varaha Systems

- ✓ “What stood out to me about the speech-to-text feature of AssemblyAI was the speed, accuracy, and ease of integration.”



Sarthakfulzele Sarthakfulzele

Ai Engineer at IIT Kharagpur

What users had to say about valuable features:

“I think the best feature AssemblyAI offers for me is the errorless transcription and language translation. If I have a file or a whole transcript of any session in any other language, it translates it for me. Whatever I needed. That is something I really love about AssemblyAI.

“Speed and accuracy both matter to me..”

Shashank Suraj

Senior Research Analyst at a consultancy with 201-500 employees

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“The best features of AssemblyAI are the stream support and multi-language support, along with speaker detection and SRT format. The stream support helped me in an AI interview platform where a candidate speaks, and I see the live transcription of their answers, which is helpful for candidates to identify if their words are correctly captured. Multi-language support is also beneficial in my meeting project, where I use languages such as Hindi and Marathi.

AssemblyAI has positively impacted my organization by being very helpful for audio transcription, saving time, and helping me find meeting notes..”

Tanmay Patil

AI Trainee at St John College of Engineering and Management

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“The best features that AssemblyAI offers are the out-of-the-box support for multiple languages and the live transcription audio streaming support. These are the features that have been useful to us.

We are a platform that is not only focusing on English but also on other speaking languages and other markets with different language diversity, so AssemblyAI has been a big help, specifically for European languages and some major languages. There are some mishaps, and some of the required languages are not properly covered by AssemblyAI right now, but it is fantastic that we were able to do it.

AssemblyAI has positively impacted my organization as it is in our active pipeline, making it one of the core building blocks of our product that we are currently making. It is quite important in that regard..”

Johurul Hassan Mazumder

Software Engineer at Next Generation Innovation L.L.C

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“The best features AssemblyAI offers include a large selection of voices and an intuitive dashboard where we could customize and tweak things according to what we needed.

“When I mention customizing and tweaking things, it was a mix of all aspects, and I could also change the AI model behind it.

“AssemblyAI has impacted my organization positively, not in the current organization, but in the previous organization. Because of AssemblyAI, we were able to envision something that could speak naturally to mass consumers.

“That natural-sounding speech impacted our customers because users couldn't tell if it was AI, and even if they could, they could still have a natural conversation..”

AmmarAhmad

Data Scientist at Venture Data

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“The best features AssemblyAI offers are summarization and animations. The AI summarization feature stands out for me because we work with Pocket FM, and we utilize it for summarization of our novelists and novel writers' stories. We have also utilized AssemblyAI for different voice generation options.

“AssemblyAI has positively impacted my organization because by using it, both our story narrators and story readers benefit greatly. We are able to successfully generate better summaries of stories and story chapters, and the text-to-voice feature is very helpful for our users.

“Specific outcomes that show how AssemblyAI has helped my organization include increased engagement and positive user feedback for text-to-speech. User engagement has increased from 76% to 78% by using AssemblyAI..”

Niranjan Shukla

Senior Software Engineer at Varaha Systems

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“The accuracy of the speech-to-text in AssemblyAI is the first valuable feature. I believe the most important aspect is not so much the functionality, but rather the performance and the low latency it has. In terms of features, the streaming part is particularly valuable.

The streaming functionality makes it easier for our team's work and impacts our daily work. Instead of having to record an entire audio file and then send it to the speech-to-text API, the audio can be transcribed in real time. This means if a person makes a mistake, they do not have to start the audio over from the beginning.

Another interesting feature of AssemblyAI is the functionality to recognize different speakers. For example, if I am recording a conversation or video call through AssemblyAI, the tool has the ability to recognize the different members or participants in the conversation. It can identify speaker one, speaker two, speaker three, and this can be very useful to analyze the conversation afterwards.

AssemblyAI has positively impacted my organization because our users started using the chatbot much more from the moment we implemented AssemblyAI in the streaming tool. Usage increased by 300%..”

Joao Pimenta

Gestor De Alfeiras

[Read full review](#) 

Other Solutions Considered

“I did not evaluate other options before choosing AssemblyAI because I was referred to this platform by one of my seniors, so I utilized it directly and am happy with this software..”

Niranjan Shukla

Senior Software Engineer at Varaha Systems

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“Before selecting AssemblyAI, I evaluated several other speech-to-text options, including the OpenAI Whisper API, AWS Transcribe, Google Speech-to-Text cloud, and the self-hosted open-source Whisper..”

Leen Batta

Full Stack Developer at a university with 10,001+ employees

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“I previously tried to use OpenAI for transcription or speech-to-text but felt we switched for two reasons. First, I tried the earlier models of OpenAI, and those were not performing well. Secondly, the cost was comparatively quite high, which did not add up to the unit cost..”

Johurul Hassan Mazumder

Software Engineer at Next Generation Innovation L.L.C

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“Before using AssemblyAI, I used an open-source library for the speech-to-text component. This library had many errors, especially in the Portuguese language. The transcription to Portuguese was not as accurate and it also did not have the streaming functionality. These issues led me to switch to AssemblyAI..”

Joao Pimenta

Gestor De Alfeiras

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“Before choosing AssemblyAI, I evaluated other options such as Google's own speech-to-text tools. I also considered Gemini, but AssemblyAI had my preference since I already had more experience with it and it had lower latency..”

Joao Pimenta

Gestor De Alfeiras

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“Before, I was using Temi, which is also a transcription website that makes transcripts. I switched to AssemblyAI because, in comparison to Temi, AssemblyAI is faster, more accurate, and it automatically removes all the unfiltered words that Temi generally does not remove. With Temi, once I have a transcript, I have to work more, around two or three hours, to do a quality check of the transcript. But with AssemblyAI, I do not need to do much quality check. I can do it within an hour. That is the point when I switched to AssemblyAI, and I really appreciated that..”

Shashank Suraj

Senior Research Analyst at a consultancy with 201-500 employees

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ROI

Real user quotes about their ROI:

“I do not have any ROI to report because it is currently in development. It is not replacing any people; it is in the pipeline itself, so I do not have anything else to add..”

Johurul Hassan Mazumder

Software Engineer at Next Generation Innovation L.L.C

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“I have seen a return on investment from AssemblyAI through time saving. Before using other tools for summarization of writers' stories, it took a lot of time, but with AssemblyAI, the time to convert a story into a summary has decreased significantly..”

Niranjan Shukla

Senior Software Engineer at Varaha Systems

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“We save approximately 85% of the time on transcribing tasks, and in workforce terms, we estimate AssemblyAI replaced what would have been a full-time transcriber role, which would cost around 35,000 to 40,000 per year. The API subscription costs a fraction of that, making the ROI extremely clear.

“We saved around 85% of our workforce's time, and the cost savings are around 35,000 to 45,000 per year, making the ROI extremely clear..”

Tanisha .

Product Manager Intern at a agriculture with 11-50 employees

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“We saw a clear and immediate return on investment, both in terms of operational cost reduction and time saving. There was a 98% cost reduction on transcription because traditional manual human transcription costs a lot, so by using AssemblyAI, the cost dropped significantly. The instructor time saved means that manual transcribing lectures would take a lot of time, so using AssemblyAI saved massive chunks of time. Instant content generation also saved time for the students, so they do not wait for days for a teacher to manually write summaries and flashcards. Our automated pipeline generated study aids within two minutes of a video finishing its processing, dramatically improving the user experience..”

Leen Batta

Full Stack Developer at a university with 10,001+ employees

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Use Case

“My main use case for AssemblyAI is generating meeting transcripts and live transcription from a meeting. I work in Next Generation Innovation, and we are developing a platform called Now's Meeting, which is a meeting management site where you can upload a meeting recording or get the meeting recording directly from your Zoom. We feed that recording to AssemblyAI and get the transcription, and then we apply summarization on the transcript. Similarly, for live transcription, we have a bot feature, and we use AssemblyAI as our transcription engine along with our bot..”

Johurul Hassan Mazumder

Software Engineer at Next Generation Innovation L.L.C

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“My main use case for AssemblyAI was for a voice-based calling system that we created.

“A specific example of how I used AssemblyAI in my voice-based calling system is that it was used for the text-to-speech part and also speech-to-text. For speech-to-text, I don't remember if we also used something else, but for text-to-speech, we definitely relied on AssemblyAI because the voices were significantly better.

“I don't have anything else to add about my use case with AssemblyAI..”

AmmarAhmad

Data Scientist at Venture Data

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“My main use case for AssemblyAI is to summarize content. Our company asks writers to write complete applications, tell complete stories, or narrate stories on our platform. By using AssemblyAI, we create text-to-speech and textual summarization features. Writers accumulate their work into scripts or summaries, and we use those summaries to produce novel summaries.

“A specific example of how I use AssemblyAI in my workflow is that story writers write complete stories, and AssemblyAI summarizes the entire story so that readers can access the summary written by the authors. Additionally, we have used it for text-to-speech, and we have utilized AssemblyAI in our workflow for both of these cases..”

Niranjan Shukla

Senior Software Engineer at Varaha Systems

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“My main use case for AssemblyAI is in my projects, such as an AI meeting assistant and AI interview platform, where I use AssemblyAI as a speech-to-text converter. I also use its stream option with AssemblyAI's webhook, and I record audio for speech-to-text conversion.

In the AI meeting assistant project, I specifically record meetings in my application and convert them into text. I then give the transcript to the AI, and it summarizes and makes quick notes. AssemblyAI's main function is to transcribe audio to text, and it supports multiple languages with good accuracy, although I think the accuracy decreases when I use the streaming option.

I mostly use AssemblyAI for transcription, whether it is recorded or streaming, as I am a developer who integrates AssemblyAI into my projects..”

Tanmay Patil

AI Trainee at St John College of Engineering and Management

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“I use AssemblyAI mostly for the speech-to-text tool for chatbots. For example, I created Retrieval-Augmented Generation chatbots in which I used the microphone to ask questions to the bot, and I used AssemblyAI to convert speech to text and then send the text question to the LLM. This is my main use of AssemblyAI. Currently, my company also uses AssemblyAI for the same purpose, converting audio to text.

In my company, we have a chatbot to access questions about trade fairs and we have data from 15 years ago. We maintain a history going back 15 years, so we created the chatbot for that and we use AssemblyAI to convert audio to text. This allows users to communicate with the chatbot via audio instead of only in writing.

I have also used AssemblyAI for streaming, which is very useful. Currently, I am mostly taking already-saved audio and converting it to text..”

Joao Pimenta

Gestor De Alfeiras

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“The main use case of AssemblyAI is for transcription purposes. Whenever I work on a file, specifically when I moderate or take an interview, I need to have a transcript. I mostly use AssemblyAI to make my proper transcript.

“I did have some projects recently that required me to do some transcription work. That was the time when I used AssemblyAI to make my work easier. What I appreciate about AssemblyAI is that it gives me an error-free transcript file. That is why I used it in a few of the multiple projects that I have done in the past few months.

“I mostly use AssemblyAI on my personal projects. I do not know if the whole organization is using it or not. On my personal preference for my projects, whenever I require some kind of transcript, I personally use AssemblyAI. It is my first go-to for any transcript, any transcription purposes, any conversion, or any language change purposes..”

Shashank Suraj

Senior Research Analyst at a consultancy with 201-500 employees

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Setup

The setup process involves configuring and preparing the product or service for use, which may include tasks such as installation, account creation, initial configuration, and troubleshooting any issues that may arise. Below you can find real user quotes about the setup process.

“I would say that they should definitely try this. AssemblyAI can make work really easier and faster. Why would I wish to spend more than four to five hours on a single one-hour transcript if with AssemblyAI I can do it within forty minutes?.”

Shashank Suraj

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Senior Research Analyst at a consultancy with 201-500 employees

“My experience with AssemblyAI's pricing, setup costs, and licensing is pleasant. I was already familiar with the tool, so in this implementation and pricing part, I already had access and it was not a surprise. Implementation was easy..”

Joao Pimenta

[Read full review](#) 

Gestor De Alfeiras

“The app I have built is a video intelligence platform where I upload videos from Dropbox, extract their audio, and process them through AssemblyAI and Pyannote AI for transcription..”

AbdulRahman

Full Stack Engineer

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“My experience with pricing, setup cost, and licensing is that pricing is comparatively very good, and this does not mean that there is a problem with the output. If I remember correctly, it was around \$0.15, which is very good for pricing. The setup cost is also not that much, and for licensing, I do not have anything to add..”

Johurul Hassan Mazumder

Software Engineer at Next Generation Innovation L.L.C

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“Before selecting AssemblyAI, I evaluated several other speech-to-text options, including the OpenAI Whisper API, AWS Transcribe, Google Speech-to-Text cloud, and the self-hosted open-source Whisper..”

Leen Batta

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Full Stack Developer at a university with 10,001+ employees

“The setup was pretty much easy. You just go to the AWS Marketplace and get this particular service provisioned and directly you can start using it with an API endpoint and key. The setup is pretty much easy..”

Shrimanta Satpati

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Consultant at a tech vendor with 10,001+ employees

Customer Service and Support

Regarding AssemblyAI's governance and security, I think it's pretty much secure since we have all the SOC 2 and SOC 1 reports from the security team of AssemblyAI.

Verified user

Product Manager at a tech vendor with 11-50 employees

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“Customer support is definitely great with AssemblyAI. If you have any issues or encounter any problems in setting up, you can definitely reach out to the customer support and you can immediately get a solution..”

Shrimanta Satpati

Consultant at a tech vendor with 10,001+ employees

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“I was offered assistance when your representative contacted me on LinkedIn and offered to send her the screenshot of the completion, and she will hopefully give me a gift card or something..”

Ab Basit

Level 2 Software Engineer at a consultancy with 51-200 employees

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“For customer support of AssemblyAI, I would rate it six to seven because sometimes they help us in a great way, but sometimes they do not help or take a long amount of time. AssemblyAI has a chatbot that helps a lot and assists us in accomplishing tasks, so I am satisfied with it..”

Niranjan Shukla

Senior Software Engineer at Varaha Systems

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“Our experience with AssemblyAI's customer support and developer relations has been highly positive. It has excellent documentation and SDKs, responsive developer channels, and clear API error messages. For example, the API returns detailed, self-explanatory error codes and messages when our requests fail..”

Leen Batta

Full Stack Developer at a university with 10,001+ employees

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Other Advice

“My advice for others looking into using AssemblyAI is to check the packages in different languages while integrating it into their use cases, so I recommend checking those availability options. I would rate this review overall as an eight..”

Niranjan Shukla

Senior Software Engineer at Varaha Systems

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“I would say to others looking into using AssemblyAI that it's a good start and it's very easy. They should start by first using the dashboard and trying it out instead of jumping into integrations to see if it best fits their use case. I would rate my overall experience with AssemblyAI an 8 out of 10..”

AmmarAhmad

Data Scientist at Venture Data

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“For my personal project, I remember there was a project around eight months ago where I was doing work that required some transcription, and the transcripts were originally in German and Japanese, and I needed to deliver some of the transcript in English. At that time, I used AssemblyAI to moderate my work, and it actually helped me to cut down the time that it generally takes me to deliver a specific transcript that is translated, errorless, and in a proper format. AssemblyAI helped me a lot in that situation. I would rate this experience a 9 out of 10..”

Shashank Suraj

Senior Research Analyst at a consultancy with 201-500 employees

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“I would advise others looking to use AssemblyAI that it is quite good. They can use it if they want to. I would say to go ahead and implement it because it is a scalable solution.

I do not have any concerns about the user interface; it is cool and good.

I rate AssemblyAI an eight out of ten because I think they can improve the pricing, which is the main thing. I cannot give it a ten out of ten because there is a lot of competition and there may be different competition on latency and other things.

Regarding AssemblyAI's AI capabilities, the input and output processing does not currently do full end-to-end agent capabilities, but this is not a concern at this time. In terms of accuracy and reliability, AssemblyAI's AI capabilities are good..”

Suman Jana

Lead Engineer at Updesk Private

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“My choice was based more on the experience I have had over the last few years.

I would advise people thinking about using AssemblyAI to try it first and test it, comparing it with other solutions, especially Google's [Gemini](#) text-to-speech. Try AssemblyAI first because it has a very generous free tier that allows building prototypes easily and seeing if it is the solution needed.

I believe I have covered everything about AssemblyAI. It is a very useful tool and the company itself appears to me to have always been evolving with new features since I started using it in 2023 until now. There is no stagnation; I can see that it has evolved. AssemblyAI is a reliable company that offers a generous free tier for prototyping, which is excellent for startups and side projects. I have had a pleasant overall experience and therefore my rating is 9 out of 10..”

Joao Pimenta
Gestor De Alfeiras

[Read full review](#) 

“The accuracy of AssemblyAI's output is quite good because we have tested things out multiple times. The transcript accuracy is good, and it depends on the category of language. There are high-accuracy languages; for those audio and those languages, the efficiency and accuracy is very high compared to the good ones and the low-accuracy ones. The low-accuracy ones are the most problematic, as they always have issues. I know that audio capability cannot be perfect, but the accuracy is good for what we have for high-level languages; however, it can be improved for low-accuracy languages.

We directly use the API from AssemblyAI in our organization.

Our platform's infrastructure is divided into multiple parts such as [Render](#), [GCP](#), and some parts are in [AWS](#). It is a combination of microservices, and there are different, separate applications involved in the whole system we are building.

If anyone is making any audio-related MVPs, I always suggest using AssemblyAI because, for MVPs, we do not need the language support for low-accuracy languages; that is not the priority. The priority is lower cost and a quick build. In that case, I choose AssemblyAI and recommend others to choose AssemblyAI as well. I would rate this product an 8 overall..”

Johurul Hassan Mazumder

Software Engineer at Next Generation Innovation L.L.C

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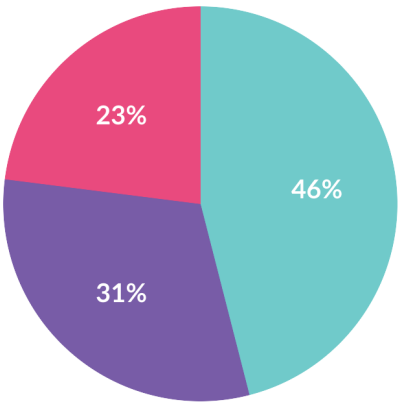
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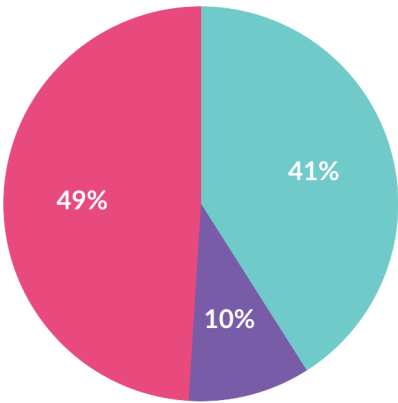


Company Size

by reviewers



by visitors reading reviews



Large Enterprise Midsize Enterprise Small Business

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