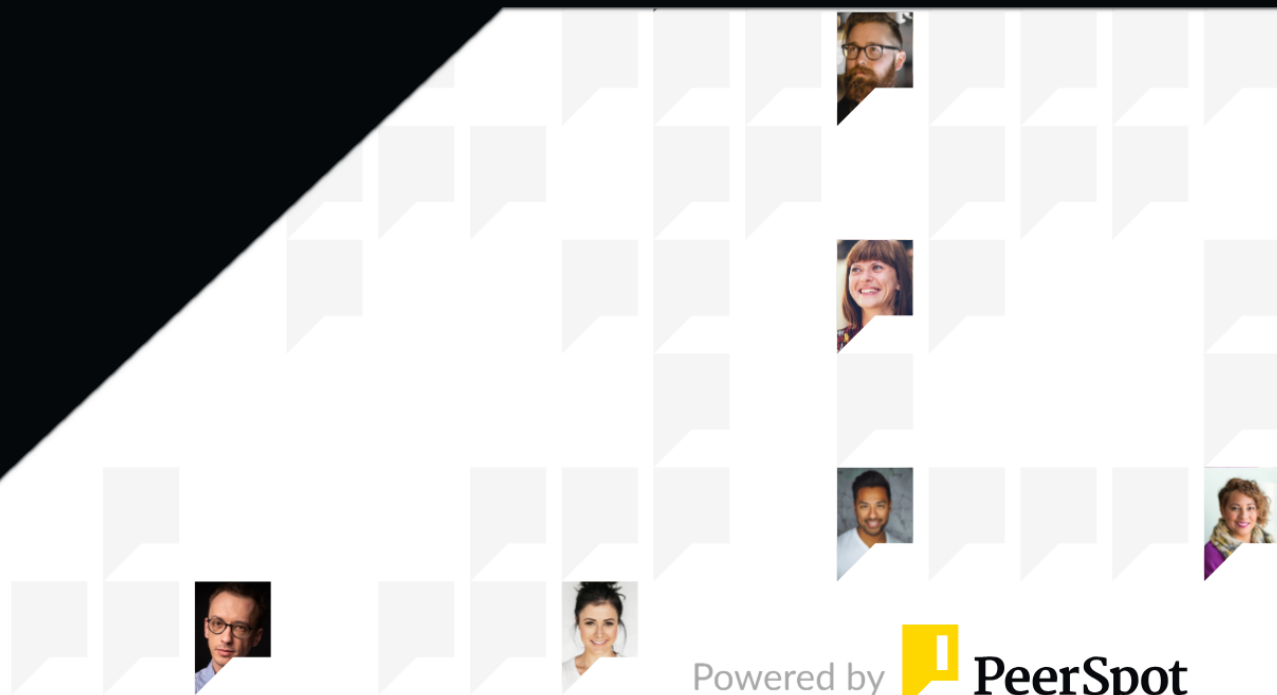




Dagster Labs

Reviews, tips, and advice from real users



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Contents

Product Recap..... 3 - 4

Valuable Features..... 5 - 12

Other Solutions Considered..... 13

ROI..... 14 - 15

Use Case..... 16 - 21

Setup..... 22

Customer Service and Support..... 23

Other Advice..... 24 - 27

Trends..... 28 - 29

About PeerSpot..... 30 - 31

Product Recap



Dagster Labs

Dagster Labs Recap

Dagster Labs empowers data-centric enterprises to build, manage, and orchestrate complex data pipelines with ease. Its flexible architecture supports efficient data processing, enhancing productivity.

Dagster Labs provides a robust platform designed for performance and scalability, catering to developers and data engineers seeking to streamline data workflow management. It integrates seamlessly with modern data tools, facilitating efficient data pipeline execution and monitoring. Users benefit from its modular approach, enabling customization according to specific project requirements.

What are the key features of Dagster Labs?

- **Composable Workflows:** Allows users to build and manage modular data pipelines with ease.
- **Dynamic Monitoring:** Provides real-time insights into pipeline performance and health.
- **Integration Support:** Seamlessly connects with popular tools like Apache Spark and Pandas.
- **Scalable Architecture:** Ensures efficient handling of data processing workloads.
- **Flexible Design:** Enables tailored solutions for specific data engineering needs.

What benefits and ROI should users look for in reviews?

- **Improved Efficiency:** Users experience increased productivity with streamlined workflows.
- **Cost Savings:** Optimized data pipelines reduce operational costs.
- **Enhanced Collaboration:** Facilitates teamwork through shared workflows and tools.
- **Increased Agility:** Quick adaptation to changing data requirements.
- **Reliable Performance:** Consistent and dependable data processing capabilities.

Dagster Labs is particularly beneficial in industries such as finance, healthcare, and e-commerce, where data-driven insights are crucial. It enables financial institutions to process transactions swiftly, aids healthcare organizations in managing patient data securely, and helps e-commerce platforms optimize customer engagement through data analysis.

Valuable Features

Excerpts from real customer reviews on PeerSpot:



“Dagster Labs has impacted my organization positively by enabling faster project delivery since it has reduced a lot of manual efforts, especially the manual scheduling part.”



Alekh Shrivastava

IT Consultant at a outsourcing company with 10,001+ employees



“Dagster Labs has provided a good sense of the data pipeline I have been using, and I have started to trust it even more because I have full confidence in whether it has been updated correctly and if it has failed.”



Verified user

Analytics Engineer at a retailer with 1,001-5,000 employees



“As a product, it is one of the best I have had the pleasure to work with.”



Verified user

Senior Analytics Engineer at a tech vendor with 201-500 employees



“Since automating with Dagster Labs, I save around 90% of manual effort.”



Hiranya Siddhani

Senior Machine Learning Engineer at a tech vendor with 10,001+ employees



“Dagster Labs has positively impacted our organization by making it much easier to create data pipelines, helping us create new use cases, and allowing us to transform all of the data we have into features, which Dagster Labs has greatly assisted with.”



Verified user

Artificial Intelligence Engineer at a consultancy with 11-50 employees



“Dagster Labs has positively impacted my organization because whenever there is a change in the data, it becomes easy for me to schedule the job, run the changes, and make changes to be imported to the slowly changing dimension tables.”



Dhinesh Rajan

Senior Solutions Analyst at Thoughtspot Private Limited

What users had to say about valuable features:

“One of the best features that Dagster Labs offers is the asset-aware data orchestration.

“Asset-aware data orchestration is valuable for me because it becomes easy to find out when an asset fails and how the asset failed when the entire pipeline runs. It becomes easy for me to fix the problem, rerun the asset, materialize it, and see it in the lineage graph.

“Dagster Labs has positively impacted my organization because whenever there is a change in the data, it becomes easy for me to schedule the job, run the changes, and make changes to be imported to the slowly changing dimension tables. It makes my work easier..”

Dhinesh Rajan

Senior Solutions Analyst at Thoughtspot Private Limited

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One of the best features Dagster Labs offers is its Python-based orchestrator, which is very useful. It also supports various things, including hosting Dagster Labs in Snowflake and also on a VM level. Furthermore, it supports various sources such as Spark and other different sources, and it has a wide range of sources that I can connect using Dagster Labs.

What makes the Python-based orchestrator in Dagster Labs stand out for me compared to others is hosting Dagster Labs on Snowflake, which is a very useful feature because due to the heavy pipelines that I run, Snowflake eases my tasks by scaling up and down. Connecting to different sources, I mostly use Spark jobs for submitting Spark jobs directly from Dagster Labs.

“Dagster Labs has positively impacted my organization by increasing efficiency because I automated all my pipelines using sensors in Dagster Labs, which reduced a lot of manual effort and less manual intervention. Unless there is a major issue with data or something else, there is no need for manual intervention, and everything goes smoothly. .”

Hiranya Siddhani

Senior Machine Learning Engineer at a tech vendor with 10,001+ employees

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“The best features Dagster Labs offers are that it is very beginner-friendly, the UI is very nice, and we can backfill most of the processes. The backfill feature is the best feature I would consider.

“When any new user comes in, they can really see the UI and do all sorts of things rather than going into code-level work. When it comes to backfill, if an error occurred in the past and we want to retrieve the data from that point, we can do that using backfill, which makes it good for our workflow.

“Dagster Labs has positively impacted our organization by making it much easier to create data pipelines, helping us create new use cases, and allowing us to transform all of the data we have into features, which Dagster Labs has greatly assisted with.

“I can say that since using Dagster Labs, we have saved time, increased productivity, and also cut down on some third-party vendor applications, which saves us money in infrastructure costs and other expenses..”

Verified user

[Read full review](#) 

Artificial Intelligence Engineer at a consultancy with 11-50 employees

“Dagster Labs offers excellent features, including a lot of integrations out of the box, allowing for integration with all major players in the data landscape. Another great feature is the polished UI and developer experience. Unlike some other products with clunky UIs, Dagster Labs provides a pleasant experience with a single glass panel approach. This makes it easy to quickly glance at pipeline health, asset lineage, and everything important for a data engineer is just one or two clicks away. Additionally, it is an extensible product, enabling power users to easily adapt available libraries and code to fit their use cases.

A standout feature is the dbt integration, which is probably well-known and regarded as the industry's top integration, prompting my organization and others where I worked to use Dagster Labs.

Dagster Labs has positively impacted my organization mainly with cost management, allowing us to move away from a more locked-down tool, dbt Cloud. The impact was migrating all our dbt Cloud pipelines to Dagster Labs, which allowed us to save money.

Regarding cost savings, I find that while I do not see a reduction in employee hours or improved efficiency—since users were accustomed to working with dbt Cloud and it allowed more business users to interact with the tool—with Dagster Labs, the cost savings are primarily raw savings due to the platform price, limiting access to previous pipelines. .”

Verified user

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Senior Analytics Engineer at a tech vendor with 201-500 employees

“What I find beneficial with Dagster Labs is that it excels at pipeline monitoring. It provides good notification of schema changes and indicates whether the pipeline is stable or not.

“I appreciate the visual lineage graph that Dagster Labs offers. It shows exactly which upstream table or API pull failed, timed out, or produced an anomaly.

“Dagster Labs has given me better monitoring ability. I know whether data can be trusted based on what I see on the dashboards. This gives me more confidence in my data sources.

“Dagster Labs has provided a good sense of the data pipeline I have been using. I have started to trust it even more because I have full confidence in whether it has been updated correctly and if it has failed. When there are any anomalies, I end up trusting my data even more. I have full confidence and control over the data pipeline. Overall, it has created a very positive impact.

“One of the features I appreciate in Dagster Labs is resources, which is a cool capability to have..”

Verified user

[Read full review](#) 

Analytics Engineer at a retailer with 1,001-5,000 employees

“The best features Dagster Labs offers mainly include error handling, job scheduling, and lineage visualization, with all three being quite easy to manage. After fixing the code, we do not have to rerun the pipeline again; it automatically restarts. There is also an option to put data validation and data contracts within Dagster Labs. If there is any data quality issue that happens from the source, we can put the data validation checks over there, and Dagster Labs can easily check that and based on the results or the outcome of it, Dagster Labs can run the pipeline. The data lineage part is quite visible, making it easy to see what is the source, what is the target, and what are the in-between intermediate layers we have put in place for the pipeline.

“The data contract or data validation part is a great feature because it has enabled us to do our quality checks at the runtime and that has saved a lot of manual efforts from the engineering team.

“Dagster Labs has impacted my organization positively by enabling faster project delivery since it has reduced a lot of manual efforts, especially the manual scheduling part. With Dagster Labs, we have scheduled all our jobs and orchestration automatically, and we did not have any data lineage tool or orchestration tool before. After onboarding Dagster Labs, we have achieved some good results.

“In terms of project delivery, it has reduced the effort significantly because a lot of manual things were automated, resulting in our timelines being met on time. Earlier, it was getting delayed, but we have made our deliveries right on time, so that was the really outstanding outcome..”

Alekh Shrivastava

IT Consultant at a outsourcing company with 10,001+ employees

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Other Solutions Considered

“We were thinking of using Airflow, but after comparing it with Dagster Labs, Dagster Labs came out as the winner, leading us to decide to go ahead with it..”

Alekh Shrivastava

IT Consultant at a outsourcing company with 10,001+ employees

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“In previous use cases, we utilized dbt Cloud, which is primarily a tool designed for dbt and has even worse pricing. We switched to Dagster Labs, and before that, we also used open source alternatives such as Prefect and Airflow, which are acceptable tools, with Airflow being the industry standard. However, I believe Dagster Labs is moving in the right direction..”

Verified user

Senior Analytics Engineer at a tech vendor with 201-500 employees

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ROI

Real user quotes about their ROI:

The time saved is evident in the reduction of manual intervention to monitor pipelines; previously, I manually triggered jobs for different data extractions, but since everything is automated now, manual intervention has reduced by about 90%. Unless there is development of a new pipeline on Dagster Labs, I generally don't actively monitor the ongoing jobs.

Hiranya Siddhani

Senior Machine Learning Engineer at a tech vendor with 10,001+ employees

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“I do not have the numbers with me, but we have definitely reduced the manual efforts, resulting in one or two fewer employees needed and some productive tasks being accomplished. We have saved some time over there..”

Alekh Shrivastava

IT Consultant at a outsourcing company with 10,001+ employees

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“It is difficult to quantify a return on investment, especially since I am in an individual contributor position and do not have access to metrics as I am not on the leadership side of the organization..”

Verified user

Senior Analytics Engineer at a tech vendor with 201-500 employees

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Use Case

My main use case for Dagster Labs is to write pipelines to orchestrate things. My main pipeline that I have built and most used is a data extraction pipeline that extracts data from different data sources and converts them into a final delta table. I have developed all of this using Dagster Labs, and it involves using Python, Spark, and other tools.

A unique workflow I have developed is that I have completely automated all the pipelines by using sensors that Dagster Labs provides by default. This is my main use case and a unique flow that I have developed. Since automating with Dagster Labs, I save around 90% of manual effort. I monitor Dagster Labs jobs once a week to check whether everything is working fine, but other than that, I never open Dagster Labs to see how jobs are processing. .”

Hiranya Siddhani

Senior Machine Learning Engineer at a tech vendor with 10,001+ employees

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“I perform orchestration around data by connecting raw app data using Fivetran inside BigQuery warehouse to DBT. I do this entire process using Dagster Labs.

“My workflow is that Fivetran reads data from the raw data source and sends the data to BigQuery. From BigQuery, the data is read inside the BI dashboards. The entire pipeline from raw to Fivetran to BigQuery to BI dashboard is monitored inside Dagster Labs..”

Verified user

Analytics Engineer at a retailer with 1,001-5,000 employees

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“I primarily use Dagster Labs for asset-based orchestration, scheduling and automating pipelines, and visualizing dependencies between datasets, and testing it. I test unit test cases in the pipeline.

“A practical example of how I use Dagster Labs for asset-based orchestration is when I take the raw orders, clean orders, sales fact tables, daily revenue summary, and VBA dashboard. I use Dagster Labs to track the dependency between these assets. When a raw table arrives, the dependent assets are recomputed. If the sales table fails due to a schema change, Dagster Labs prevents downstream assets from running, highlighting the failed assets in the lineage graph. This allows me to check the logic behind the data, and it also allows me to rematerialize only the affected assets after the fix. This asset-centric approach makes it more reliable and easier to debug when orchestrating individual assets.

“I also use Dagster Labs to create scheduled pipeline jobs for running the pipeline..”

Dhinesh Rajan

Senior Solutions Analyst at Thoughtspot Private Limited

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“I used Dagster Labs in a previous assignment in 2024, where I was working on a POC that required DBT and Dagster Labs integration for ETL pipeline orchestration. In that project, I worked mainly on DBT, and we selected Dagster Labs for the orchestration purpose so that we could create an ETL pipeline with orchestration and scheduling jobs.

“The main use case I worked on for Dagster Labs was the DBT with Dagster Labs integration, where all our ETL jobs were built into DBT. There was a need to create a lineage and also the orchestration, and for the orchestration purpose, we used Dagster Labs.

“Dagster Labs helped with lineage and orchestration in my project by allowing us to see what the impacted upstream and downstream systems were, which was a limitation in DBT. It enabled us to create dependencies in DBT, and I saw the flexibility of Dagster Labs where we could directly integrate it seamlessly with the DBT tool. All the ETL jobs could be imported directly into Dagster Cloud, and we could create the dependencies and schedule the jobs based on the frequency decided by the business, and it was quite seamless..”

Alekh Shrivastava

IT Consultant at a outsourcing company with 10,001+ employees

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“The main use case for using Dagster Labs is to utilize ETL processes such as extract, transform, and load because we already have raw data, and we perform all the necessary transformations, including feature engineering and mathematical calculations, and then we load it to the front end so that customers can see how their data has evolved into something useful, allowing them to make actionable decisions.

“Let me consider a scenario where a customer has raw and unreadable data. We need to identify features first. For example, a customer may have IP addresses with last seen timestamps along with raw security logs. During the initial feature engineering phase, we check for use cases such as detecting if a user on the customer side is using unauthorized resources. To accomplish this, we need to perform feature engineering on several attributes, such as the user's authorization level and the objects they are accessing. For a second example, we can detect if a user is authorizing company access after work hours by using the last seen attribute. We can perform feature engineering on such scenarios.

“That covers my main use case, but we are also currently trying to use the DLT tool by using Dagster Labs so that we can extract the data as well..”

Verified user

[Read full review](#) 

Artificial Intelligence Engineer at a consultancy with 11-50 employees

“My main use case for Dagster Labs is data pipeline orchestration.

A specific example of how I am using Dagster Labs for data pipeline orchestration is that Dagster can be used with dbt, which is another technology that allows scheduling data modeling pipelines and integration with other tools. This integration with dbt is particularly useful, and on the monitoring side, we can add data quality monitors to run on a schedule. Additionally, Dagster Labs integrates with Slack for alerts. The specific example is running data models on a schedule.

Regarding my use case, we also use Dagster Labs to integrate with some AWS components, such as AWS Batch jobs, and we use Dagster's Dagster Pipe technology to connect with our orchestration runs within Dagster, although the process is orchestrated into AWS services. While this is not unique, it is one of our use cases. Another use case is triggering remote Spark jobs, which is connected to data pipeline orchestration, making it one of Dagster Labs' official integrations. .”

Verified user

[Read full review](#) 

Senior Analytics Engineer at a tech vendor with 201-500 employees

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.

Onboarding and training my team to use Dagster Labs presented some challenges; the documentation of Dagster Labs is really tricky and difficult for anyone learning any orchestrator tool for the first time. However, since I have prior experience, it was kind of easy compared to others when I started learning it. Better documentation would have facilitated better onboarding of new members.

Hiranya Siddhani

[Read full review](#) 

Senior Machine Learning Engineer at a tech vendor with 10,001+ employees

“My experiences with pricing, setup cost, and licensing vary. For my current organization, we opted for Dagster Labs open source, and we are considering moving to the cloud offering. In a previous consultancy role, we selected the standard plan, and while the pricing was acceptable, it became limiting when it came to the number of seats, pushing us to choose a simpler plan. The setup cost was negligible as I had prior experience setting up Dagster Labs, and licensing was not a major concern for us..”

Verified user

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Senior Analytics Engineer at a tech vendor with 201-500 employees

Customer Service and Support

“The customer support was good; I had a weekly call with them when I was running into some issues, and they helped me out promptly.

“I would rate the customer support nine out of 10..”

Alekh Shrivastava

IT Consultant at a outsourcing company with 10,001+ employees

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Other Advice

“I would advise others looking into using Dagster Labs to utilize all of the features provided by Dagster Labs, as it has many great offerings. I would rate this product a seven out of ten..”

Verified user

Artificial Intelligence Engineer at a consultancy with 11-50 employees

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“Based on how Dagster Labs works, I have more confidence in them. They would surely have a very good model to support all of the features they are providing.

“My advice to others looking into using Dagster Labs is to take it slow and give time for things to develop. Things will get better.

“I would rate this product an eight out of ten..”

Verified user

Analytics Engineer at a retailer with 1,001-5,000 employees

[Read full review](#) 

“I would rate Dagster Labs an eight out of ten. I chose an eight out of ten mainly due to the pricing and the way it handles seats, which can be unwelcoming for smaller organizations. As a product, it is one of the best I have had the pleasure to work with.

My advice for others looking into using Dagster Labs is to be wary of the pricing model. Understanding how to best leverage Dagster Labs hinges on having a solid

grasp of the tool and its extensibility, enabling users to expand use cases creatively, while also avoiding overcomplicating pipelines. Dagster Labs' documentation offers a solid foundation to begin working.

I think it is crucial for Dagster Labs to keep maintaining the open source solution, as I believe it is a good gateway for new customers and essential for the data landscape, despite the for-profit nature of the company. .”

Verified user

[Read full review](#) 

Senior Analytics Engineer at a tech vendor with 201-500 employees

When selecting Dagster Labs, one of the key criteria was that I initially thought of [Airflow](#) as an alternate, but I chose Dagster Labs because it is new and also open source. Documentation could have been better.

My advice for others looking into using Dagster Labs is to first understand all the functionalities that Dagster Labs offers; take a little bit of time to try and explore all the features, and then it's better to go into implementation. That way, you can design your pipelines better.

“I chose eight out of 10 because of the retry issue I mentioned earlier; I would have rated it 10 out of 10 if there was an option to retry the pipeline from the point of failure. It would be great if the feedback items could be released in upcoming versions. .”

Hiranya Siddhani

[Read full review](#) 

Senior Machine Learning Engineer at a tech vendor with 10,001+ employees

“I have not used Dagster Labs's AI capabilities, so I have no idea about its

governance and security.

“Regarding Dagster Labs's AI capabilities, I have not used it, so I would not give any metrics on its accuracy or reliability of output because I have not relied more on the AI capabilities of Dagster Labs.

“Dagster Labs is deployed in my organization in a private cloud.

“This interview was great, and I would not recommend any changes for the future. I gave this review a rating of eight..”

Dhinesh Rajan

Senior Solutions Analyst at Thoughtspot Private Limited

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“One of the user experiences was that earlier DBT was a back-end tool, and Dagster Labs is something we can actually show to stakeholders with all the job run logs. It is easy to monitor all your running jobs and also what has been completed and what has errored out, and also the error status messages are quite descriptive. If there is any error that occurs, you can look into the error log details and then easily debug that and identify the error and fix it. If there is any failure that happens at one checkpoint, we do not need to restart the job from the start; from that checkpoint itself, we can resume the job after fixing the code, and it was quite seamless.

“I would advise others to start using Dagster Labs and explore their functionalities and features because it is easy to onboard, and their cloud-native features are really awesome. It has a great lineage with all the ETL tools and also with [GCP](#) and other cloud platforms, so I would definitely recommend others to start using it.

“From the security perspective, everything was good, and I do not have any feedback on that, to be honest.

“It met all the organization's requirements. I would rate this review an overall 8 out of 10..”

Alekh Shrivastava

IT Consultant at a outsourcing company with 10,001+ employees

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Top Industries

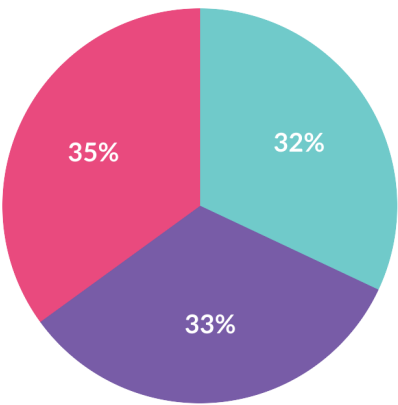
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Company Size

by reviewers

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Large Enterprise Midsized Enterprise Small Business

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