

aws marketplace

Neo4j AuraDB

Reviews, tips, and advice from real users



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Contents

- Product Recap..... 3 - 4
- Valuable Features..... 5 - 12
- Other Solutions Considered..... 13 - 14
- Use Case..... 15 - 18
- Setup..... 19 - 21
- Customer Service and Support..... 22
- Other Advice..... 23 - 26
- Trends..... 27 - 28
- About PeerSpot..... 29 - 30

Product Recap



Neo4j AuraDB

Neo4j AuraDB Recap

Neo4j AuraDB offers a flexible data model with extensive language integration and seamless multi-cloud accessibility. Known for scalability and performance, it supports efficient graph-based data handling across diverse applications.

Neo4j AuraDB is recognized for its comprehensive graph database capabilities, providing scalability, speed, and integration with multiple programming languages and tools. Its dedicated query language and AWS Cloud hosting enhance reliability and performance. While improvements in stability and GUI are necessary, its ability to handle graph data effectively aids in AI-driven projects and relationship-centric modeling. Researchers utilize it for cipher language studies and scalable databases, tackling diverse industry challenges.

What are the key features of Neo4j AuraDB?

- **Flexible Data Model:** Adapts to varied workloads and requirements.
- **Broad Language Integration:** Supports multiple programming languages for development versatility.
- **Multi-cloud Availability:** Provides seamless deployment across different cloud platforms.
- **Graph-based Data Handling:** Efficiently manages complex data relationships.
- **NeoDash Support:** Facilitates quick application development with comprehensive tools.
- **Dedicated Query Language:** Optimized for performance and reliability for graph queries.

What benefits should users consider when evaluating Neo4j AuraDB?

- **Scalability:** Suitable for both small and large-scale graph database projects.
- **Performance:** High-speed data processing for efficient application performance.
- **Reliability:** AWS Cloud hosting ensures consistent uptime and security.
- **AI Integration:** Provides contextual insights beneficial for data-driven initiatives.
- **Development Versatility:** Supports a range of programming languages for diverse development needs.

Neo4j AuraDB is employed in industries like oil and gas, where companies address water optimization and construct knowledge graphs. It excels in relationship-centric modeling, handling structured and unstructured data for comprehensive insights, proving essential for graph-based reasoning in diverse applications.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

- ✓ “Neo4j helped us decrease our development time and also the storage level, which was very much helpful.”



Rajveer Mathur

Senior AI ML Engineer at Brillio Technologies

- ✓ “The best features Neo4j AuraDB offers are that it is easy to quickly build a solution with their tooling.”



Jeff Dalgliesh

Founder at data2

- ✓ “Neo4j AuraDB has impacted my organization positively by improving query performance.”



MANOJCHOUDHARY

MANAGER IT at AXIS BANK LTD

- ✓ “Overall, Neo4j AuraDB has increased our deployment speed, improved system stability, and lowered operational costs, making our entire database stack more efficient and scalable.”



Qazi Ahmad

Student at a comms service provider with 501-1,000 employees

- ✓ “The speed of recommendation really increased after we converted the first graph we had to a Neo4j AuraDB graph, as the response time reduced from about 5 to 10 seconds to about 1 to 5 seconds in most cases.”



Ali Nasser

AI engineer at Iryss

- ✓ “From my experience, I particularly like the professional version. Initially, developers often start with the free variant. Once the project grows, we switch to the professional version, which offers multiple databases, expanded memory, and better scalability. This allows us to handle more data and use cloud scaling features.”



Erle Pereira

Founder & Creator at RRADD Strategy

✔ “Neo4j Aura is a technically strong and capable managed graph database, and it has been valuable for research and production use.”



Verified user

Associate Researcher at a university with 10,001+ employees

What users had to say about valuable features:

“Building the graph easily is the best thing that Neo4j AuraDB offers. Also, navigating the graph and navigating from one node to another was very helpful. The GUI of Neo4j AuraDB and how I can look at the schema of the graph was a very helpful feature.

“In the interface of Neo4j AuraDB, I can watch the schema of my graph, in which I can choose some nodes and the GUI draws these nodes, so I can see the graph with my eyes and do some edits to it or use it as it is.

“The speed of recommendation really increased after we converted the first graph we had to a Neo4j AuraDB graph. We had the speed initially at about 5 to 10 seconds. Now we have the speed from 1 to 5 seconds. The response time of navigating Neo4j AuraDB graph reduced from 5 to 10 seconds in some cases to 1 to 5 seconds in most of the cases..”

Ali Nasser

AI engineer at Iryss

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“Neo4j AuraDB is a great tool for understanding connections between things.

“The best features Neo4j AuraDB offers are that it is easy to quickly build a solution with their tooling.

“Regarding the tooling, I love how fast it is that you can use NeoDash to quickly mock up a UI, and it is really nice that you can build a GraphQL endpoint to connect it to third-party applications, such as Retool or custom applications that we build for clients.

“Neo4j AuraDB has impacted my organization positively as it has helped me solve problems much more quickly.

“A specific example of a problem I solved more quickly with Neo4j AuraDB is that I was able to work with an LLM to build graph data models for domain-specific problems.

“The collaboration with the LLM and Neo4j AuraDB sped up my process as I'm building a tool on top of Neo4j that allows me to control how I can access data in the graph, and Neo4j had a nice interface that allowed us to work with their underlying data model..”

Jeff Dalglish

Founder at data2

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“The standout features of Neo4j AuraDB that I find most helpful for my enterprises are speed and security. Neo4j AuraDB offers graph database as a service that is fully managed and completely automated. Neo4j AuraDB is the fastest way to build graph applications in the cloud.

“The feature that I rely on most day-to-day is related to SQL. Whenever running milestones in my organization, the query complexity does not degrade performance.


“Neo4j AuraDB is very fast with lightning speed and scale. It is secure with enterprise-class security for sensitive data. Neo4j AuraDB has encrypted data everywhere, and all network traffic is protected with transport layer security, which is called TLS.

“Neo4j AuraDB has impacted my organization positively by improving query performance. We are using SQL, and Neo4j AuraDB is a graph database that can create larger tables in a second with indexes, which means that joining the same number of entities requires more compute power. In Neo4j, data relationships are first-class entities.

“I want to share that Neo4j AuraDB offers unmatched speed and security. The next blog in this series will examine how reliable Neo4j AuraDB enterprise is, as well as how it boosts developer productivity. These are two more reasons companies can benefit from adopting this zero-admin, always-on database..”

MANOJCHOUDHARY

MANAGER IT at AXIS BANK LTD

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“In my opinion, the best features of Neo4j AuraDB are its fully managed environment, the Cypher query language, and the visualization tools. The managed setup saves considerable DevOps time since we do not have to worry about clustering, backups, and patching. Cypher is very intuitive for working with complex relationships, making it easy to express graph traversals that could be complicated in SQL. The visualization tools are also excellent for debugging and understanding data relationships.

“Additionally, Neo4j AuraDB's seamless integration with AWS and its ability to scale automatically make it ideal for production workloads without manual infrastructure management. The fully managed environment is the feature that has made the biggest difference for our team. Before using Neo4j AuraDB, we spent considerable time maintaining clustering and backups and managing updates manually. With Neo4j AuraDB, all of that is automated, allowing us to focus entirely on the deployment and optimization of our graph instead of worrying about infrastructure. It has also improved reliability; we no longer have to deal with downtime for patching or scaling issues. The managed setup ensures consistent performance during automatic traffic spikes, especially during recommendation queries.

“I would also mention that the managed environment gives us peace of mind with automatic backups and security updates, ensuring our data is always protected and compliant without extra effort from our side. The performance consistency across environments from development to production has also been reliable. Overall, it has allowed us to focus on delivering new features instead of maintaining infrastructure..”

Qazi Ahmad

Student at a comms service provider with 501-1,000 employees

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“Neo4j Aura (pay-as-you-go) could be significantly improved in the areas of service lifecycle management, communication, and migration handling, based on my recent experience. Specifically:

- Advance notification and transparency for service suspension: My Aura project was suspended without prior notice, immediately making the database inaccessible. For a managed database service, users should receive clear advance warnings before any suspension that affects data availability.
- Clear handling of AWS Marketplace legacy subscriptions: The transition from a legacy AWS Marketplace listing to a new listing was not communicated clearly. When I followed the instruction to 'update' or re-subscribe, a new organization and project were created automatically, while my existing project remained suspended with no visible option to re-link the active subscription. This created confusion and operational risk.
- Explicit migration guidance in the UI and subscription flow: It was not clear that migration to a new project was mandatory and irreversible. This information was only provided after contacting support. Such constraints should be clearly surfaced before a user takes action.
- Reasonable and safe migration windows: After requesting emergency assistance, the suspended project was temporarily unsuspending for only one hour to allow snapshot and migration. This timeframe is not sufficient for safe migration of a non-trivial graph database and exposes users to unnecessary data loss risk..”

Verified user

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Associate Researcher at a university with 10,001+ employees

“The best features Neo4j AuraDB offers, the best feature which stands out is the exploration and the UI which comes up. We can drag and drop, we can see what things are there, what nodes are connected to whom in a visual way. It is more understandable to people who are from the business side and non-technical side, who are not able to understand the query itself. We were able to explain things to them with the UI itself. This is one of the features. The second thing is the visualization of the graph, which is really helpful to make others understand what was happening and to backtrack things. The generative AI feature to create the Cypher query languages is valuable because CypherQL is not something which everybody is well-versed with. With the generative AI part to it, it was really helpful that we explain what we want, and it creates an easier level of query languages which goes there. Those features are valuable in day-to-day life because whenever we have a review with the tech team or our client, those graphs, when things get to backtracking of the solution, are very much helpful with the visualization, understanding them, understanding the problem, and how things went in. Debugging was very helpful.

“In day-to-day life, the testing team found the generative AI query formation very helpful because then anybody can become an expert on the Cypher query language, which was embedded into the AuraDB interface. That was very helpful, and nobody has to go anywhere else to query or give intricate security details there to generate a query onto other platforms rather than in here itself. We can give what we want, and this used to generate our query languages. We were very much so secured that the data resides there and only we are asking questions.

“Regarding the features of Neo4j AuraDB, another point I would like to add is that they offer a free tier. Even before we start off with client billing and everything, we were able to explore those things. We were able to understand that the documentation is really helpful in these places. They also provide us with some sample data so that we can play around with the graph architecture and understand how things are working around in the free tier. That is very much important. These were a few features that we like. The agent is a very new feature I am trying to explore, but not on this use case. However, the agent is something which I can see can be helpful for more business type of use cases where we add what we want..”

Other Solutions Considered

“I’ve used RDP before but prefer to start my analysis with Python and sometimes Neo4j Bloom. The most important feature is that Neo4j is a powerful graph database, enabling faster and more efficient analysis..”

Matheus Ferreira Dos Santos

Student at University of São Paulo

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“We were using a solution that was built on my company. Neo4j AuraDB solution was built on a data structure in which we build a graph by a data structure graph and we use all things in this graph. This was built in my company locally, so it does not have all the required features and is different from Neo4j AuraDB..”

Ali Nasser

AI engineer at Iryss

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“As a consultant, my decision to use Neo4j AuraDB comes from personal experience and client demand. Initially, I started using Neo4j when graph databases gained traction, which worked well for me. Clients began asking for it because Neo4j has a strong reputation and brand. Neo4j is an easy choice when presenting options to clients due to its established credibility..”

Erle Pereira

Founder & Creator at RRADD Strategy

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“I have not worked with other graph databases, but I am aware of the competitors. There is TigerGraph database, and I think Amazon Neptune, and one from Azure as well. I've not really worked them out, so I use AuraDB.

I found the initial setup fairly straightforward. From what I felt, the learning curve was a bit simpler. AuraDB had their courses out there, and some of them are out there for free, so you can just quickly learn them. And I just felt that the initial setup was much simpler compared to others, and I was able to catch on to it. .”

Aryan Tiwari

Data Scientist - L1 at a consultancy with 51-200 employees

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Use Case

“Neo4j Aura (pay-as-you-go) is primarily used for research and production-grade graph analytics, including knowledge graph construction for complex relational data and graph-based reasoning and traversal for AI-driven analytics..”

Verified user

Associate Researcher at a university with 10,001+ employees

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“My main use case for Neo4j AuraDB is solving water optimization problems for oil and gas operations.

“Neo4j AuraDB helps us resolve those water optimization problems by allowing us to store knowledge we have about our business..”

Jeff Dalglish

Founder at data2

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“My main use case for Neo4j AuraDB is generating reports. I do not have any problem with Neo4j AuraDB. Whenever I am generating reports using Power BI, it is very helpful for me.

“Currently, I do not have any issue with my main use case for Neo4j AuraDB and how I am integrating it with my workflow. It is very helpful for me and for my organization as well. Thank you so much..”

MANOJCHOUDHARY

MANAGER IT at AXIS BANK LTD

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“My main use case for Neo4j AuraDB is building recommendation and dependency mapping systems. For example, one of the projects involves using the model to establish relationships between users and products to generate personalized recommendations in real time. In another project, I am mapping dependencies between microservices and APIs to identify potential bottlenecks or failure points. Neo4j AuraDB's graph structures and queries make it easier to manage complex relationships compared to other databases.

“I have been using Neo4j AuraDB for about two years. I first started with Neo4j as a community edition for local prototyping, then moved to Neo4j AuraDB for production workloads because of the fully managed setup and seamless integration with AWS. Over that time, I have used it mainly for building recommendation systems and dependency mapping features, where graph queries significantly improved performance compared to other relational models..”

Qazi Ahmad

Student at a comms service provider with 501-1,000 employees

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“I used Neo4j AuraDB for building a graph in which I listed properties and the properties of these properties, such as the bedrooms, bathrooms, and whether it is a new or old home. I also made nodes for people who own these properties and used this information.

“Neo4j AuraDB helped us in building the recommendation system for our project in which we have nodes of people and nodes of properties and use easy links between those properties and people, enabling us to recommend specific properties to specific people dependent on their preferences.

“We set the recommendation system as if a user likes properties with two bedrooms and one bathroom. We make a Cypher query that filters properties he liked with two bedrooms and one bathroom. Then we look for another recommendation for him such as properties with three bedrooms or one bathroom or three bedrooms and three bathrooms.

“In this project, approximately 1,000 users use it daily now for recommendations, in which they enter the system and we generate a Cypher query for them and display properties from the project depending on this..”

Ali Nasser

AI engineer at Iryss

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“My main use case for Neo4j AuraDB is solving problems with the documentation adhering to what we have on the chatbot for problem solving. These documentations are of Microsoft Surface Laptop, and there are multiple problems over there, but they are all interconnected. This interconnection of documents or rather sites of problem can be done in a more sufficient way. In the conventional RAG way, it was problematic because there was no connection between two problems. However, with Neo4j AuraDB, a problem is connected. There are hyperlinks in one documentation which leads to another documentation. This is where Neo4j AuraDB, which has the graph capabilities to connect two segments or two documentations, was very beneficial.

“Neo4j AuraDB helped me tackle those interconnected documentation challenges by making things much faster. Each of the nodes I define in the graph is one documentation. The connections, these relationships were simpler when it comes to graph architecture because, for example, one problem would be blue screen. The solution to it would be restarting your laptop or if your device hardware is damaged. All these two connections were given to two other nodes. We have a map out of it. The number of nodes decreased at a very huge level when it comes to the conventional way. With Neo4j AuraDB, documentation and adding things were very easy because the UI is very exploratively helpful.

“Regarding my use case with Neo4j AuraDB, something I want to add is that if we go the conventional way, there were a lot of conventions because the first problem which the customer comes in and adds to the chatbot could be anything. Then the next problem would be L2 level. Then, anything coming in interaction could be L3 level. In the conventional way, it was going very redundant. There was no connection to it. However, in Neo4j AuraDB, it was a graph, so the number of documentation and the number of storage was very much decreased at a very huge level. The connections were very logical. Backtracking of things was very much helpful because we were able to see that in level three, when the customer went for an answer like restarting your laptop, then why they came down to this ladder of graph or nodes from L2 and then L1. This was helping us to backtrack the solution and maybe debug things. This was where a few of the challenges we faced from the conventional and helped us to push our things to Neo4j AuraDB..”

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.

“We don't have to install Neo4j AuraDB. The solution provides a server, and we can use an online server to create the database. You may not have to install it on the local system or server. You can also have direct online access..”

SandeepKhanna

PHD Scholar at Indian Institute of Technology, Jodhpur

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“The initial setup is neither easy nor difficult. I've created both the on-premise app (downloaded directly from the website) and the AuraDB cloud version. The cloud version is simpler. I needed a short video clip on the website to install the on-premise Neo4j on my system.

The Cypher tutorial that comes with the on-premise Neo4j installation is thorough. .”

Oludayo Abiodun Adeoye

Full Stack Engineer at Freelance

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“When it comes to installation, setup, and deployment of Neo4j AuraDB, it's straightforward.

Since AuraDB is cloud-based, you don't have to deal with manual installation or server management. You download the desktop application, connect to it, and you're ready.

I come from an open-source background and often use Docker instances, but with AuraDB, the process is straightforward. Developers can start with a free instance that handles up to 200,000 or 400,000 data points, sufficient for smaller projects. Upgrading is simple and affordable as they gain confidence and the business needs to grow. Overall, the setup is user-friendly and efficient..”

Erle Pereira

Founder & Creator at RRADD Strategy

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“The deployment is just a standard way—it's like any other database. There's no difference in the way AuraDB does things.

AuraDB can be hosted or is available in the major cloud services. So, the deployment procedure remains pretty standard compared to the other existing databases out there. There's no difference as such.

We use the public cloud, so that's where the deployment is being worked out.

The deployment time depends, again, on the project and the circumstances. But, the initial learning, it might take two to three months to pick it up. And working on a project, again, maybe another three, four months. And in terms of deployment, another one, two months to it. But, again, it's purely dependent on the project and the circumstances.

From what I have seen, there's no real maintenance or anything extra to it. It's just that since it's a new technology, or rather, not many people might be aware of it, it's just the awareness needs to be there, but there's no additional maintenance as such..”

Aryan Tiwari

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Data Scientist - L1 at a consultancy with 51-200 employees

Customer Service and Support

“My experience with customer support has been positive. I think it's really good; I appreciate the company, they have nice people, and they seem professional..”

Jeff Dalgliesh

Founder at data2

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“As of now, I have not reached out to them as such because everything has been fairly clear to me. But I'm fairly sure that the technical support is good..”

Aryan Tiwari

Data Scientist - L1 at a consultancy with 51-200 employees

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“They are very helpful.

“I will rate the customer support a 10 as they helped us in most of the cases. I think that our calls take too long now as I was expecting this call to continue from 5 to 10 minutes, but now we have about 15 minutes..”

Ali Nasser

AI engineer at Iryss

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Other Advice

“If you have a graph that you need to build, you can use Neo4j AuraDB directly and not navigate any other solution as this solution has all required things. I rate this product a 9 overall..”

Ali Nasser

AI engineer at Iryss

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“My advice to others looking into using Neo4j AuraDB is to consider how many graphs you can create as quickly as needed.

“I think Neo4j AuraDB is doing some amazing things.

“On a scale of 1-5, I rate Neo4j AuraDB a 5 out of 5..”

Jeff Dalgliesh

Founder at data2

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“My advice for others considering Neo4j is to clearly identify where their data model truly benefits from graph relationships. If your application involves complex connections such as recommendations, dependencies, or network analysis, Neo4j AuraDB is an excellent choice. Take advantage of the managed services to save DevOps time while also monitoring your node and relationship counts to keep cost predictions in check. I also recommend investing time in learning Cypher properly; it is intuitive once you become accustomed to it and makes querying relationships very powerful. Finally, use the visualization tools early in deployment; they are great for understanding your data structure and debugging relationships. I would rate this product a nine out of ten..”

Qazi Ahmad

Student at a comms service provider with 501-1,000 employees

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“Neo4j Aura is a technically strong and capable managed graph database, and it has been valuable for research and production use. However, this incident revealed a serious gap between technical capability and operational governance. A production database service was suspended without prior notice, and a platform-side marketplace transition effectively forced migration. The responsibility and risk of emergency migration were placed almost entirely on the user, and only a one-hour window was provided to safeguard existing data. I am not opposed to migration or platform evolution. What I strongly advise is that such changes be handled with clear advance communication, explicit explanations of irreversible actions, and migration timelines that are realistic and safe..”

Verified user

Associate Researcher at a university with 10,001+ employees

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“What advice would I give to others looking into using Neo4j AuraDB? First, please know how your data reacts, how your data is interconnected, and how your data moves around the other data in itself. What is the subset and the superset of each other? How can you manage your data? If you have this level of information, then this is the go-to-market solution for you. Second, if you are currently using conventional databases or other systems, you need to understand how graphs work. You have to work to comprehend this concept, and then come to this solution; it would be very helpful because this solution has some documentation and a learning curve. Do your homework before coming to this stage of work.

“If you know your data and the connection between your data has meaning and you see that those meanings can be helpful in understanding your data, this is a perfect solution..”

Rajveer Mathur

Senior AI ML Engineer at Brillio Technologies

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“As per my knowledge and opinion, whenever I am using Neo4j AuraDB, there are no changes required by my current organization. If your organization wants to change something technical, you can. However, in my experience, there is no issue with Neo4j AuraDB.

“The advice I would give to others looking into using Neo4j AuraDB is that it is cost-effective and lightning fast. It is also secure.

“I have additional thoughts about Neo4j AuraDB before we wrap up. It is a very good platform for database security, fast speed, and for everything I am using. It is a good platform.

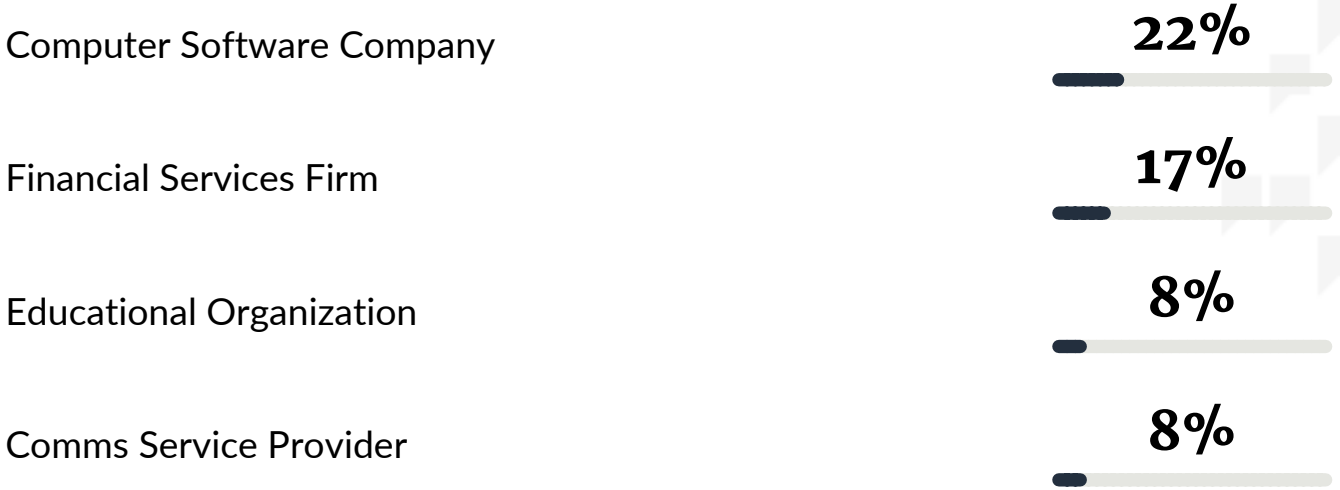
“I gave this product a rating of ten out of ten..”

MANOJCHOUDHARY
MANAGER IT at AXIS BANK LTD

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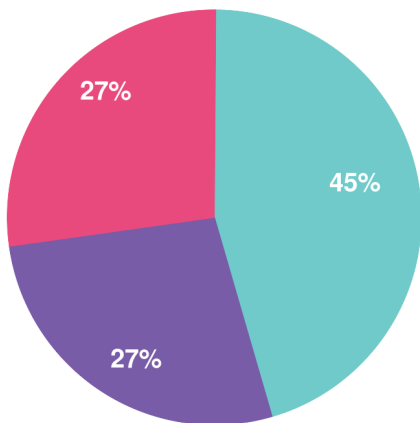
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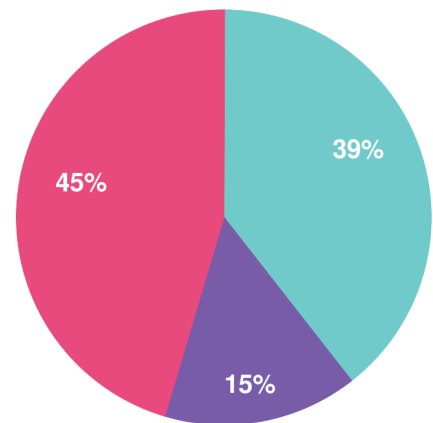


Company Size

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Large Enterprise Midsize Enterprise Small Business

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244 5th Avenue, Suite R-230 • New York, NY 10001

reports@peerspot.com

+1 646.328.1944