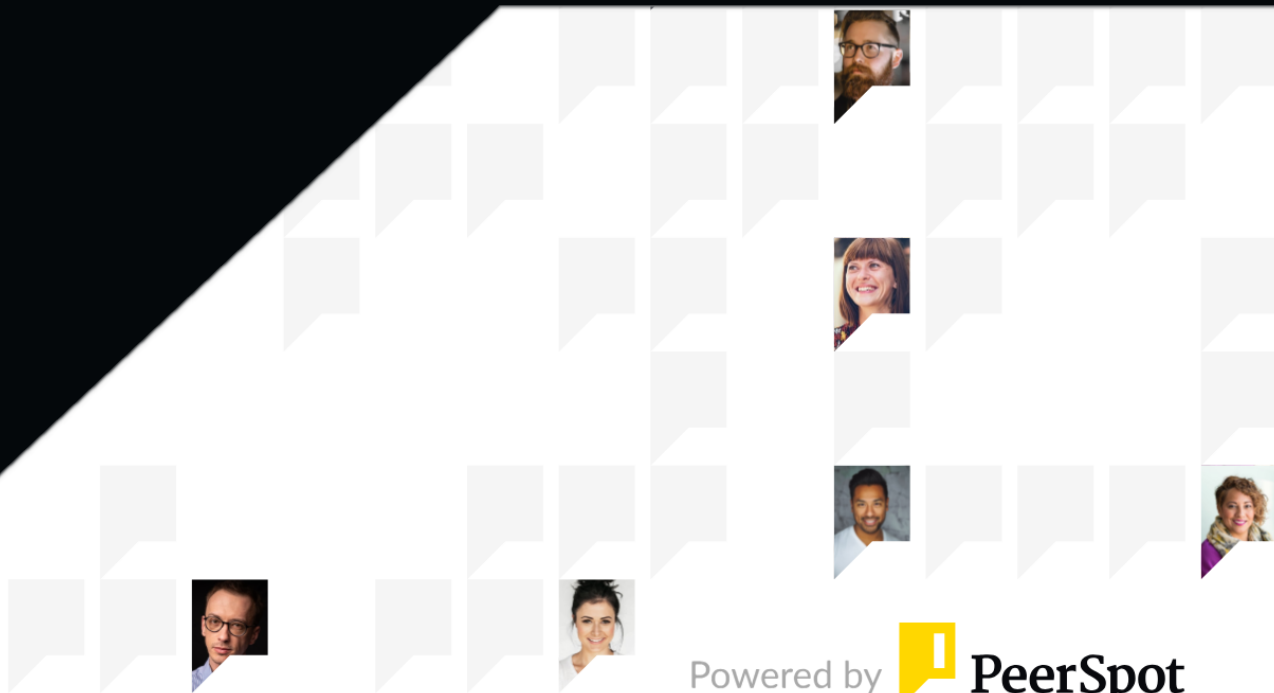


aws marketplace

Serverless

Reviews, tips, and advice from real users



Powered by  **PeerSpot**

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Product Recap



Serverless

Serverless Recap

Serverless revolutionizes application architecture by eliminating the need for server management, offering a scalable, cost-efficient approach for modern development needs. It enables developers to focus on writing code without the complexities of infrastructure handling.

Originally designed for enhancing agility, Serverless provides on-demand function execution, ensuring seamless scalability and rapid deployment. As a back-end architecture, it allows businesses to execute code in response to events and automatically manage the required resources, optimizing resource usage and minimizing idle capacity. This approach abstracts server provisioning, allowing developers to streamline workflow and focus on creating innovative solutions without dealing with infrastructure concerns.

What are Serverless's key features?

- **Event-Driven Execution:** Triggers functions in response to specific events, automating execution based on user actions or data changes.
- **Dynamic Scalability:** Adjusts resources automatically in real-time to handle varying workloads without manual intervention.
- **Pay-As-You-Go:** Charges only for the execution time and resources used, optimizing costs and ensuring economical resource use.
- **Automatic Resource Management:** Handles server provisioning, scaling, and maintenance, freeing developers from managing infrastructure intricacies.

What benefits should users expect in reviews?

- **Increased Developer Productivity:** Allows developers to focus on code, leading to faster feature releases and quicker innovation cycles.
- **Cost Efficiency:** Operates on a usage-based billing model, reducing overhead costs and financial wastage due to idle resources.
- **Enhanced Scalability:** Seamlessly accommodates fluctuating demand, providing reliability and stable performance.
- **Reduced Time-to-Market:** Facilitates rapid deployment and iteration, helping teams release applications faster.

Serverless finds application across industries such as e-commerce, where it handles app backends, and finance, for managing real-time data processing tasks. Its flexibility supports a diverse range of enterprise needs, including automated data collection in retail and transaction processing in banking.

Valuable Features

Excerpts from real customer reviews on PeerSpot:



“In terms of time or cost saved compared to before using Serverless, I save approximately 60 percent of my development time because everything is very lightweight and gives me the freedom to work within Serverless.”



Sachith Delaga

Lead Software Engineer



“Serverless has positively impacted my organization by shifting our focus from infrastructure management to pure product delivery.”



Hussain Gagan

FullStack Developer at EnactOn Technologies



“I can share specific metrics indicating Serverless's positive impact: I achieved 100% uptime, an impressive feat compared to traditional servers that often experience downtime during peak usage.”



Hamza Sharif

Cloud Engineer at a consultancy with 11-50 employees



“Serverless has positively impacted my organization as it has become the de facto standard for any POCs I have been doing, unless something specific is required that demands an on-demand instance.”



Mukesh Srivastav

Senior Software Engineer at Tech9



“Serverless has made my day-to-day work easier because we don't have to set up an extra team, and with fewer resources we can use it effectively.”



Nk Kumar

Software Engineer at Tech Mahindra



“Serverless positively impacts my organization by being really cost-effective and serving as a production performance testing tool, as we increase the load, it automatically increases the CPUs and RAM without needing any manual intervention or heavy servers for this type of testing.”



AnilKumar13

Devops Engineer at EDAG



“Serverless impacts my organization positively in many ways by enabling us to easily debug issues when any pipelines break; we can get errors, debug them, and address issues.”



ArunKumar30

Working For M Bank at a financial services firm with 51-200 employees

What users had to say about valuable features:

“Serverless is helpful because it completely eliminates the need to manage a cloud VM and control panel and manage the server. I only have to host the application and do not need to manage everything else..”

Verified user

Cloud Engineer at a retailer with 11-50 employees

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“I find working with AWS Lambda for this kind of event-driven platform has benefits such as scalability where we don't need to manually manage the services or worry too much about the infrastructure capacity. One of the best features Serverless offers is automatic scalability because you don't need to worry about that, and no server management is another big plus since we don't need to manage instances, patch, runtime services, or capacity planning.

Serverless has positively impacted my organization because the outcome was very positive in most of the projects we used it, especially with the fast delivery made possible by clear boundaries for each function and the ability to resize the team constantly without needing to think too much about that, while the price remains very reasonable.

When mentioning faster delivery and resizing teams, we noticed specific improvements in project timelines and cost savings. We initially had about twenty developers and after building out the necessary infrastructure, we could focus our team on individual tasks and reduce to around eight developers, achieving a reduction of about forty percent in our overall costs..”

Goliveira Ind

Sr. Full Stack Developer at a computer software company with 51-200 employees

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“The best feature that Serverless provides is the pay-per-use model in which you only pay for what you have consumed. In short, if you haven't consumed anything, there are no charges. That is the best thing that I have found within Serverless architecture. It is very straightforward to begin, with different services such as Cloudflare, Netlify, and various others providing this functionality, which is very useful and efficient. The first thing I appreciate is the pay-per-use model. The second is that it's easier to begin, and the third is that we have plenty of resources available to get started with this.

“If we talk about this project itself in relation to the pay-per-use model, it shows that you don't get charged for the initial setup. Most projects are built in the form of an MVP and later get converted into paid products as soon as users or customers get onboarded. With a server, we need to take a particular virtual machine, set up, and run the server, which is very costly and not cost-friendly. However, with Serverless, the cost depends entirely on how many function calls are happening, so the cost is zero in the initial phase. That is why it makes developers or product managers get started with any idea very seamlessly without the headache of cost..”

Rishabh V

Back End Engineer at Clappia

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“Serverless's best features are quite impressive. You don't have to provision anything and it comes with a self-contained environment. The time limit is also beneficial because it forces you to work within certain constraints to build fast applications.

“With a self-contained environment, you build things for specific purposes. You build technology to support what you currently have. The time limit depends on your needs. Sometimes you build something and later realize it's going to take more than 15 minutes, and at that point, you can move it to a container or a long EKS job. However, with the self-contained environment, it helps that you already know you have your language and it comes with some dependencies already installed, so you don't need to have a Docker container. Even with that, you can still have a CI/CD workflow and build with packages that are not pre-provisioned with the container itself. This is the Lambda container, and then you have them in there. The process is quite seamless.

“Serverless has positively impacted my organization. In my previous company, it helped them save a lot. In my current company, we use the technology to achieve what the job needs. This helps us know that we save money because not every job demands you run a long-running job or have a container, as instances are expensive. With Serverless, it's on-demand, so you only use and pay for what you've used, which is very beneficial..”

Emmanuelo Owusu

Data Engineer at a financial services firm with 11-50 employees

[Read full review](#) 

“Serverless offers easy scalability whenever I want it, with no problem when there are many requests. I really appreciate that there is mostly no management of the servers that I have to do and that it is basically available all the time. Automatic scaling is another key feature that I really value as it helps manage resources whenever my project or audience grows over time.

“Automatic scaling and always-on availability have helped me in my day-to-day work and on specific projects because without Serverless, I would not have been able to handle everything on my own. With Serverless, since I have to do no server management and do not need a specific person for DevOps, it becomes easy for me to focus my energy on the high-end tasks that I really want to do. Regarding automatic scaling, it really helps the resources to scale up or down instantly based on incoming traffic, and it also addresses our budget constraints since we do not have to buy a large server initially, but rather it helps extend the time.

“Serverless has positively impacted my organization concerning constraints, as we teach everyone about DevOps and how it will scale. Now we need fewer people to perform the types of tasks that Serverless could easily manage and execute, allowing us to take advantage and do the work we have to do in our specific spaces and focus on high-impact tasks rather than working on things that would not be as impactful..”

Ahmed Raza Ch
CTO at Digitalux

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“In my experience, the best features that Serverless offers are quite fault-tolerant services that are getting updated and worked on quite frequently by AWS, so they are improving over time. I have comprehensive use of AWS Lambda functions, as I have been using them for about three years, and I was quite impressed with the studio code option for the Lambda function. I could do quite much coding in that interface, which I think was quite a good improvement because it is a small but very impactful thing that AWS did. My judgment criteria is the self-improvements that the provider takes seriously, and additionally, I have not gotten any issue, any breakage, or any downtime in these services, so I think AWS Serverless performs quite well in any use case. It is quite maintained, so I do not have to worry about anything.

These kinds of small improvements in Serverless help you be well integrated with the whole system, as I do not have to manage a coding environment separately from my cloud console. It is all happening in one place, which I find quite helpful. These kinds of small improvements help me get better integrated with the system.

Serverless has positively impacted my organization in one of its solutions for architecture that it provided to a very big real estate company in the United States. It used a very old technology called Pentaho, where all of the data operation workflows were running. AWS Serverless helped my company and my team to migrate these operations to AWS Step Functions workflows, which are cost-effective and help integrate Lambda into all of its steps. As a result, all of the workflows that were running in the old technology Pentaho were migrated to AWS Step Functions, and we saved quite a lot of cost. .”

Verified user

Junior Solutions Architect

[Read full review](#) 

Other Solutions Considered

“It wasn't a switch. It was just using a particular technology for a particular job. We still run multiple workloads, some on instances and some serverless, some on servers, and various other configurations..”

Emmanuelo Owusu

Data Engineer at a financial services firm with 11-50 employees

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“I did not evaluate other options after moving to servers and instead moved to Cloudflare for Serverless, which offers a good number of functions and free tiers that make project building very straightforward..”

Rishabh V

Back End Engineer at Clappia

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“I previously used containers and virtual private servers (VPS), which I still have, when we were building demo products and small or medium persistent applications. When things became complex, involving more microservices, I would use Kubernetes, depending on the service or the specifics of what we wanted to create..”

Ahmed Raza Ch
CTO at Digitalux

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“Before choosing Serverless, I evaluated other options, and it really depends on the project I am working on because their constraints vary. If the constraints require a product that can scale easily and uncertainty about potential breakdowns exists, I would lean toward Serverless. However, if the project had different constraints, I would consider other options, as it all comes down to use cases and budget..”

Ahmed Raza Ch
CTO at Digitalux

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“Before choosing Serverless, I evaluated other options, and I think we were considering the EC2 instance. However, we thought that sometimes during the night, we didn't use our software. So we decided that it is better to go with Serverless because we are only paying when we use it..”

Nk Kumar

Software Engineer at Tech Mahindra

[Read full review](#) 

“Initially when I was working at a previous company, we were using a server with MongoDB and AWS EC2 instances, but the problem was that without any customers, they were paying huge charges for a medium-level server. After realizing that the product could be transitioned to Serverless architecture, they moved to Serverless and started using AWS Lambdas, leading to significantly lower costs. That transition allowed them to ship multiple features without worrying about costs. Initially, with a server costing without any initial customer base, after moving to Serverless, they shipped multiple features, started very early, and were able to deliver many things without the cost headache.

“I did not evaluate other options after moving to servers and instead moved to Cloudflare for Serverless, which offers a good number of functions and free tiers that make project building very straightforward..”

Rishabh V

Back End Engineer at Clappia

[Read full review](#) 

ROI

Real user quotes about their ROI:

“I have seen a return on investment with Serverless, as moving from servers means requiring fewer cloud engineers and DevOps staff for maintenance, patches, and infrastructure management, resulting in reduced time and effort..”

Hamza Sharif

Cloud Engineer at a consultancy with 11-50 employees

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“After migrating to serverless, we saved about 50% of the cost that was occurring in the previous architecture, and our operation time also got reduced by about 40% compared to the previous architecture due to the use of Step Functions, Lambda, and Aurora Serverless, which are all services managed by AWS..”

Verified user

Junior Solutions Architect

[Read full review](#) 

“We definitely saw a strong return on investment after moving to Serverless architecture. By reducing our monthly infrastructure spend by about 30%, we eliminated the idle capacity costs we were previously paying for underutilized EC2 instances..”

Hussain Gagan

FullStack Developer at EnactOn Technologies

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“Serverless has saved me a lot of money and time in my organization.

“Serverless will save time and reduce the number of employees needed because previously, we had to manage the server, which is not necessary now..”

Verified user

Cloud Engineer at a retailer with 11-50 employees

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“In terms of time or cost saved compared to before using Serverless, I save approximately 60 percent of my development time because everything is very lightweight and gives me the freedom to work within Serverless. Similarly, regarding cost, when I reduce time, I should automatically reduce cost as well. About deployment, we handle deployment more than 80 percent faster, so we do not need to have a specialized DevOps engineer as my full-stack skills cover it..”

Sachith Delaga

Lead Software Engineer

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“I have seen a return on investment with Serverless while doing the refactor of the database. In DynamoDB, we have many records. By removing the records and updating the TTL, Time To Live, in every data that we didn't need, we reduced the cost from approximately forty to forty-five percent overall. So it was very helpful for reducing cost.

Comparing to my old process, I can say that each time if we run Lambda, we update ten to fifteen thousand records. It would take more than a week if we did it manually in the other way around. However, using the script and the features of AWS, which provided us the ability to update in batch, was very helpful and reduced the time as well..”

Nk Kumar

Software Engineer at Tech Mahindra

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Use Case

“I am using Serverless to deploy small applications in the cloud. I am deploying small applications with Serverless. Normal functional applications such as calculators and similar tools are what I am building with my small applications using Serverless. I am using Serverless for hosting small applications that I am developing..”

Verified user[Read full review](#) 

Cloud Engineer at a retailer with 11-50 employees

“In my current project, my main use case for Serverless at Gateway Ticket System is a financial platform, and in one of my previous projects, we built a high-scalable financial platform that processed a large volume of events every day while needing to react almost in real-time to different business events, such as customer actions, account updates, transactions changes, and integration messages from other services. Everything was good with my use case and my experience with Serverless in this project..”

Goliveira Ind[Read full review](#) 

Sr. Full Stack Developer at a computer software company with 51-200 employees

“We primarily run jobs on Serverless, specifically on AWS Lambda, using short-running jobs triggered by events. We can connect to an API Gateway for various purposes. For instance, if a client wants to process data and the data volume is not large, we decide to run that job on Serverless using AWS Lambda. In my previous role, we used it to build four backends because we expected API requests to be completed in microseconds. This represents a full range of applications..”

Emmanuelo Owusu

Data Engineer at a financial services firm with 11-50 employees

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“My main use cases for Serverless include automation or chatbot implementations and real-time media processing.

“A specific example of how I used Serverless for automation or media processing is a project in which we had to gather all the emails regarding our users that subscribed to our product. We get those emails from a third party and add them into our marketing system to use that for daily marketing, making a funnel for different scenarios in our product according to different people that subscribed based on our plan..”

Ahmed Raza Ch

CTO at Digitalux

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“My main use case for Serverless is to deploy serverless databases using AWS Serverless, and I have deployed ETL pipelines and data ingestion pipelines using AWS Serverless services. Generally, I design architectures for microservice apps using AWS Serverless services.

My main use case is to make the system increasingly fault-tolerant and scalable, so I always prefer to use AWS Serverless services because they provide precisely the kinds of solutions that help me design scalable and fault-tolerant solutions. One of my recent architectures involved hosting a data architecture that can store infrequently accessed or rapidly evolving loads on our system. For that, I used Aurora Serverless database that can provision its capacity based on the use it receives. In combination with Aurora Serverless, I used Lambda functions for my validation and other operations. Lambda is a serverless service that provides a very prominent capability of scalability and can scale on its own. When designing any solution, I look for these capabilities, and all of the services I have mentioned provide me these capabilities. .”

Verified user

Junior Solutions Architect

[Read full review](#) 

“The main use cases for Serverless are those products or project ideas in which we don't want running servers. For that, we have different frameworks available, such as Netlify, Cloudflare, and AWS serverless architecture. I am using that.

“I have made a project for personal learning that was an MCP monitor in which I built observability that captures the logs provided by the MCP server and shows it on the platform itself. As we clearly know, it requires basic CRUD operations, as there is no need for running servers. Logs happen and are just sent into the server, such as normal edge functions, which is why I built this project in Serverless using Cloudflare functions.

“Initially when I was working at a previous company, we were using a server with MongoDB and AWS EC2 instances, but the problem was that without any customers, they were paying huge charges for a medium-level server. After realizing that the product could be transitioned to Serverless architecture, they moved to Serverless and started using AWS Lambdas, leading to significantly lower costs. That transition allowed them to ship multiple features without worrying about costs. Initially, with a server costing without any initial customer base, after moving to Serverless, they shipped multiple features, started very early, and were able to deliver many things without the cost headache..”

Rishabh V

Back End Engineer at Clappia

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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.

“It's pretty accurate and reliable most of the time regarding Serverless's AI capabilities. We use it currently to read data off bank statements and then try to determine what kind of transactions were made, whether it was an income or a payment or something else. It's pretty accurate most of the time, around 80 percent..”

Emmanuelo Owusu

Data Engineer at a financial services firm with 11-50 employees

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“My experience with pricing, setup cost, and licensing demonstrates that pricing is good because we only get charged for the amount of time we use and the amount of time we trigger events. Setup cost is minimal because it is easy to use. It requires only some code, which is why it is easy to set up..”

HarshalJethwa

Cloud Operations Engineer at a tech vendor with 51-200 employees

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“My experience with pricing, setup cost, and licensing was fine; pricing is very good for minimal or moderate application code. Pricing increases with larger codebases, but for a normal moderate codebase, it is good. The setup is minimal, and licensing is also acceptable since it is handled by Amazon..”

Prashanth Dembe

Founding Engineer

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“We did not purchase Serverless through the AWS Marketplace; we manage our infrastructure directly through AWS accounts using Terraform for our IAC, which gives us better control over environment configuration and deployment pipelines..”

Hussain Gagan

FullStack Developer at EnactOn Technologies

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“Serverless is not available on the AWS Marketplace; it consists of a collection of services already available on the AWS console, allowing me to use any service I need like Lambda for compute, DocumentDB for databases, S3 for file storage, and API Gateway for serverless APIs. There is no single service to purchase, and setup is straightforward, with no licensing required—however, costs remain higher than desired to attract more customers..”

Hamza Sharif

Cloud Engineer at a consultancy with 11-50 employees

[Read full review](#) 

Customer Service and Support

“The customer support experience has not been applicable to me, as this was done by my solutions architect, so I never interacted with the customer support..”

Verified user

Product Manager at a tech vendor with 10,001+ employees

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“I would rate customer support around 8 out of 10 because it is consistently quick, the documentation is comprehensive, and all customer support is quite responsive, so there is not much of a blocker..”

Hussain Gagan

FullStack Developer at EnactOn Technologies

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“My experience with AWS support regarding Serverless is mixed; while I appreciate the interaction, I lack deep visibility into the monitoring and logging of Serverless components. When issues arise, I rely on AWS for detailed insights, but the lack of direct access can be limiting..”

Hamza Sharif

Cloud Engineer at a consultancy with 11-50 employees

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Other Advice

“All of the serverless services that I have used have been quite friendly in processes and pricing. My advice for others looking into using Serverless is to choose serverless services according to their architecture, as they are beneficial in most use cases. My overall review rating for Serverless is 8..”

Verified user

Junior Solutions Architect

[Read full review](#) 

“I do not have any improvements needed for Serverless that I have not mentioned yet. I do not have anything else to add about the needed improvements and will not expand on observability or debugging. My advice for others looking into using Serverless is to be cautious with your database connection and try not to use prior connections inside your handler while being a good documentation reader. I rate Serverless an eight out of ten..”

Goliveira Ind

Sr. Full Stack Developer at a computer software company with 51-200 employees

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“I rate Serverless seven out of ten because it is good and performs well for small applications, but it does not perform well for large applications.

“I will advise anyone considering Serverless that if you have a small application running on a server, you can switch it to Serverless, and that will save you significant effort and money. My overall rating for this product is seven out of ten..”

Verified user

[Read full review](#) 

Cloud Engineer at a retailer with 11-50 employees

“The best feature that Serverless provides is the pay-per-use model in which you only pay for what you have consumed. In short, if you haven't consumed anything, there are no charges. That is the best thing that I have found within Serverless architecture. It is very straightforward to begin, with different services such as Cloudflare, Netlify, and various others providing this functionality, which is very useful and efficient. The first thing I appreciate is the pay-per-use model. The second is that it's easier to begin, and the third is that we have plenty of resources available to get started with this.

“The only improvement I want in Serverless is to address the cold start issues that exist, which is an obvious concern, but I would appreciate seeing improvements in this area. I would rate this solution an eight out of ten..”

Rishabh V

[Read full review](#) 

Back End Engineer at Clappia

“I would give Serverless a rating of 9 out of 10. I think it's solid.

“For what Serverless promises, I think it delivers on all fronts.

“Regarding Serverless's AI capabilities, I think it operates the same way. We just need to be careful once you limit the access you give to your agents and the models, and even to the users themselves. It still boils down to the same principles of least privilege and what you give access to what the job is supposed to do. If you over-give the access, it will do something it's not supposed to do, and that's on you.

“People should use the right tool for the right job. If Serverless doesn't work for them, they shouldn't use Serverless. If it works for them, they should go ahead because it's very beneficial..”

Emmanuelo Owusu

Data Engineer at a financial services firm with 11-50 employees

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“I rate Serverless an eight out of ten.

“I give it an eight because it is working for me, and I am fully invested in it. I use it directly every day and have not encountered many difficult tasks that I need to manage, either directly or indirectly.

“Regarding Serverless's AI capabilities, I think there would obviously be automated guardrails, and if we talk about [AWS](#), they monitor runtime, identity access, and prompt injection strictly. They really provide good Serverless capabilities while acknowledging there are security risks and controls.

“I consider Serverless reliable concerning accuracy and output for my specific needs, as I did not see any issues with the services I am utilizing. However, I faced some issues with vendor lock-in since all of our infrastructure was managed in one account. When that account was temporarily blocked for an unjustified reason on their side, it became an issue for our whole project and caused significant costs and loss of users because of that single incident.

“My advice for others looking into using Serverless is that you should not use Serverless if you do not understand its constraints, such as cost and scalability with respect to cold starts and vendor lock-in. If you are completely new, you should first learn about your use case and then proceed carefully. My overall rating for Serverless is eight out of ten..”

Ahmed Raza Ch
CTO at Digitalux

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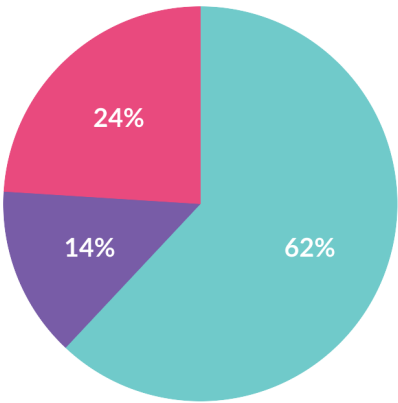
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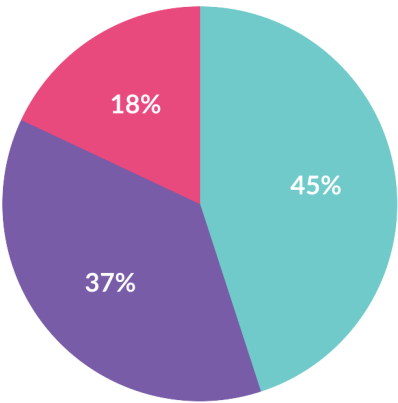


Company Size

by reviewers



by visitors reading reviews



 Large Enterprise  Midsize Enterprise  Small Business

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