



Docker on Ubuntu

Reviews, tips, and advice from real users



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Product Recap



Docker on Ubuntu

Docker on Ubuntu Recap

Docker on Ubuntu provides powerful solutions for containerization with features like portability and ease of deployment. It integrates seamlessly with CI pipelines, optimizing application delivery. The platform simplifies microservices management and aligns well with diverse tech stacks due to its strong compatibility with Ubuntu.

Docker on Ubuntu stands out for its ability to streamline the deployment process across different environments. It facilitates containerization, ensuring resource isolation and stability. Its integration with continuous delivery systems accelerates application updates, reducing deployment time significantly. While the command line can be challenging for some, Docker's setup is straightforward, supporting developers in managing microservices efficiently. The platform manages multiple operating systems effectively, boosting productivity. Compatibility with Ubuntu enhances flexibility, supports tech stack diversity, and lowers infrastructure costs. Despite networking challenges in Kubernetes clusters, Docker remains a go-to for web app development, scaling, and cloud integration.

What are the essential features of Docker on Ubuntu?

- **Portability:** Streamlines operations across different operating systems, enhancing consistency.
- **Integration:** Seamlessly fits with CI/CD pipelines to improve application delivery.
- **Microservices Support:** Simplifies microservices containerization, ensuring stability across environments.
- **Resource Isolation:** Maintains stability by isolating containers, preventing interference between applications.
- **Ubuntu Compatibility:** Supports diverse tech stacks with robust integration for Linux-based systems.

What benefits should users consider when evaluating Docker on Ubuntu?

- **Productivity:** Improves deployment speed with streamlined processes, enhancing efficiency.
- **Cost Efficiency:** Reduces infrastructure expenses through effective resource utilization.
- **Scalability:** Supports seamless scalability, accommodating growing application demands.
- **Infrastructure Compatibility:** Ensures smooth integration within existing Linux-based ecosystems.
- **Support:** Broad community and vendor support for troubleshooting and development needs.

Docker on Ubuntu is widely adopted for automating deployments and enhancing efficiency in industries such as financial services, e-commerce, and software development. It allows organizations to rapidly develop and deploy scalable applications while optimizing cloud

resource usage. Its cost-effectiveness and compatibility make it attractive, especially for enterprises focusing on automation and collaborative development within Linux ecosystems.

Valuable Features

Excerpts from real customer reviews on PeerSpot:



“In terms of resource savings, we reduced the number of servers from around 100 to 70 after using Docker on Ubuntu within our private cloud, where we have numerous servers located in multiple locations in the US.”



AnilKumar13

Devops Engineer at EDAG



“Docker on Ubuntu has positively impacted my organization because it really serves as a bedrock combination for building applications on top of it.”



Verified user

Cloud Ops Lead at a tech vendor with 10,001+ employees



“Docker on Ubuntu has positively impacted my organization by making our CI/CD pipeline faster because of the multi-stage build, multi-arch build, and the strategy of layering.”



Manas Kashyap

Senior Dev Ops Engineer at 11 East Capital



“Docker on Ubuntu is an open-source solution that we are managing by ourselves, which is why I feel it is a faster solution and provides high reliability.”



Aatif Hassan

Site Reliability Engineer at a energy/utilities company with 10,001+ employees



“Docker streamlines things and makes it easier for testing and development.”



Steven Lord

Chief Technology Officer at ML Cloud LLC



“Using Docker on Ubuntu helps us save time and operational efforts rather than directly reducing headcount; it saved setup time by seventy percent, reduced VMs and infrastructure cost by thirty to forty percent, and improved team productivity without needing additional engineers.”



Badal Shrivastav

embedded software engineer at a manufacturing company with 201-500 employees



“Docker on Ubuntu stands out in terms of user-friendliness; it provides easy porting for applications of any size, allowing me to host it anywhere and avail the services.”



SampathkumarRajasekaran

Director IT at Artizense Hub

What users had to say about valuable features:

“In my experience, the best features Docker on Ubuntu offers are that it's quick, stable, and easy to use.

“Docker on Ubuntu has positively impacted my organization because it allows us to run containers properly without any problems and those are isolated applications.

“I can share more about specific outcomes due to Docker on Ubuntu: it saved us a lot of time due to process isolation and it saved us a lot of resources because we were able to run many applications on the same host..”

Verified user

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SRE II at a tech vendor with 5,001-10,000 employees

“Docker on Ubuntu is a very fast operating system where we are not getting any malfunctions. Every month, we are updating this operating system based on the patches available. Ubuntu ensures that we update within seven days of whatever critical update we receive, so that our orchestration and Docker on Ubuntu and other things will work smoothly. This is why we are using Docker on Ubuntu's operating system.

Whenever our security teams find any vulnerabilities, it is very easy to solve those issues rather than understanding other things like network side or storage side, which are not in our control. Docker on Ubuntu gives the proper path where we have to go and find the things which we are going to update or fix the issues when we face any kinds of deployment issues or when our workflow is broken. Since our application is using Docker on Ubuntu images, this is the feature that I appreciate the most..”

Aatif Hassan

Site Reliability Engineer at a energy/utilities company with 10,001+ employees

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“The best features Docker on Ubuntu offers include having images for all people set to the same, sharing volumes on the host machine, excellent documentation for setting up configurations, and security scanning for vulnerabilities.

“Those features help my team day to day by allowing us to share volumes, so we can have the ability to have the same volume with specific images or PDF files for different projects on the same machine. Vulnerability scanning allows us to keep the PHP version and Ubuntu version up to date, among other benefits.

“Docker on Ubuntu has positively impacted my organization by allowing us to have a dockerized system split into different servers because we do not need to keep our projects on the same machine. We have the ability to split our monolith into microservices..”

Vasilij Duško

Senior PHP Developer at a non-profit with 11-50 employees

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“In my opinion, the best features Docker on Ubuntu offers are stability with reliable support and a huge ecosystem that works with Docker, Kubernetes, Docker Compose, and Jenkins. It is also cloud-friendly with AWS, Azure, and GCP, and it has community support and better compatibility compared to CentOS.

“Out of those features, I rely mostly on the huge ecosystem and its cloud-friendly nature with AWS and GCP, which allows us to host our applications on multiple clouds..”

HarshalJethwa

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

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“The best features that Docker on Ubuntu offers in my experience are ease of usability and performance.

“Ease of usability and performance with Docker on Ubuntu have helped me because Ubuntu is a Debian-based OS that can operate in both server and desktop modes, so when using Docker on Ubuntu on a server base, I need to install a few packages to convert the machine to GUI mode, making Docker on Ubuntu easy to use.

“While I think security is not a standout feature, ease of usability and performance remain the main highlights for me since it's only environment-specific and involves local testing along with monitoring only internal servers.

“Docker on Ubuntu has positively impacted my organization through resource savings, as for our NOC server, we are using a dedicated 30-core server with 256 GB of RAM, but with the help of Docker on Ubuntu, we can run multiple containers on the same server.

“In terms of resource savings, we reduced the number of servers from around 100 to 70 after using Docker on Ubuntu within our private cloud, where we have numerous servers located in multiple locations in the US..”

AnilKumar13

Devops Engineer at EDAG

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“In the seventh semester, I was working on a project involving Docker on Ubuntu for a fitness exercise management system, where a user can add their details, diet details, such as their weight and height, among other things. We are providing them with information about what yoga, exercise, and food they need to incorporate into their daily life to maintain their health. I utilized Docker on Ubuntu to store the database while learning backend development during my college project. It helped me to understand how applications can run in different environments, which is very important for real-world application and development.

“Initially, installation on Ubuntu was quick and straightforward using a terminal command, and it did not take too much time. It would take even less time once installed, and I use Docker on Ubuntu to create containers and run applications without worrying about system compatibility. This was very helpful while working on different project setups. Sometimes we are using different types of setups, and during those times, Docker on Ubuntu is helpful. What I appreciate most about Docker on Ubuntu is that it saves a lot of time in the long run. Instead of installing dependencies repeatedly, I could simply use containers to run my projects efficiently. It also helped me to grasp concepts such as images, containers, and basic deployments.

“Docker on Ubuntu has positively impacted our organization or project by saving our time and energy. Additionally, we are learning about different types of deployments and how projects function in the real world.

“Docker on Ubuntu has made collaboration easier, which has had a tangible positive impact on our project..”

Verified user

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Database developer at a university with 501-1,000 employees

Other Solutions Considered

Before choosing Docker on Ubuntu, I did not evaluate other options. It really depends, but there are no really super huge competitors. It is just Podman, but it is a different thing for different cases. It is not that simple with Podman. There are just no proper competitors that are as huge and as famous as Docker is.

Verified user

SRE II at a tech vendor with 5,001-10,000 employees

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“I previously used Kubernetes, which by default uses CNI because it's a lightweight container service without a specific daemon, as I mentioned earlier..”

AnilKumar13

Devops Engineer at EDAG

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“Before using Docker on Ubuntu, we relied on manual deployments, which is not a solution per se, and we switched to Docker on Ubuntu because of much faster deployments, the consistency across different deployments, and easier management..”

Francisco Pulido

SecOps Engineer at a real estate/law firm with 501-1,000 employees

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“Before using Docker on Ubuntu, we used servers and uploaded all changes via FTP or used Git checkout in the master on the server. We switched because it was too expensive, and we needed to have automated deployments..”

Vasilij Duško

Senior PHP Developer at a non-profit with 11-50 employees

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“Before choosing Docker on Ubuntu, we evaluated some options including Podman.

“We chose Docker on Ubuntu over Podman because Docker was pretty much simple, and it was also one of the buzz topics going on. Additionally, there were people who were using it, which made it pretty much simple to interact with them and gain knowledge about how things are working..”

Manas Kashyap

Senior Dev Ops Engineer at 11 East Capital

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ROI

Real user quotes about their ROI:

“I do not have any numbers, but shipping with Docker on Ubuntu has saved us countless hours, and therefore we can operate many more deployments with fewer engineers, so you save a lot in time and personnel..”

Francisco Pulido

SecOps Engineer at a real estate/law firm with 501-1,000 employees

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“I do not have the exact metrics regarding the return on investment because I do not track that. The main return is time-saving, as it provides less setup time, fewer errors, and improved developer productivity..”

Cfigueroasanche Tagetto

DevOps at Chill Flow

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I have seen a return on investment, with a lot of time saved due to faster CI/CD builds and deployments, much cheaper storage due to registries, and a much easier to use general architecture. For example, in my company before Akamai, Docker was a must have. It saved so much time, so much effort, and so much human resources. It is just difficult to explain. It was super useful.

Verified user

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SRE II at a tech vendor with 5,001-10,000 employees

“I have seen a return on investment with definitely time saved as well as fewer employees needed because we don't need to maintain the Docker Swarm again and again. There is a pipeline for it, and the time saving occurs because whenever a developer pushes anything, that goes into the Docker container and builds it. It is pretty much time saved, as well as money saved itself..”

Manas Kashyap

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Senior Dev Ops Engineer at 11 East Capital

“I wouldn't say that using Ubuntu and Docker directly saves money, time, or requires fewer employees. It's more about forming a baseline so that whatever application you are building on top of it can deliver those benefits. You need some type of operating system and a container engine, and these two are best in class; it allows whatever you build on top of it to achieve return on investment metrics..”

Verified user

Cloud Ops Lead at a tech vendor with 10,001+ employees

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Use Case

“My main use case for Docker on Ubuntu is containerizing our applications, hosting them, and performing deployment.

“A specific example of an application I have containerized and deployed using Docker on Ubuntu is our multi-tier applications, including front-end, back-end, and database applications that we have hosted on Docker..”

HarshalJethwa

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

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“My main use case for Docker on Ubuntu is running containers.

“I can give a quick, specific example of how I use Docker on Ubuntu to run containers in my work: I was running the monitoring stack with Prometheus, Grafana and other components.

“I do not have any other types of workloads or projects beyond this..”

Verified user

SRE II at a tech vendor with 5,001-10,000 employees

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“My main use case for Docker on Ubuntu is primarily for my course project and specifically for the college project, where I mainly use it for database and backend development.

“Regarding my main use case for Docker on Ubuntu, there is a considerable learning curve involved. As a beginner, I sometimes find myself confused about the commands and the various functionalities, but once I understand the fundamentals, I realize that it is simple and easy to use Docker on Ubuntu. Initially, I did not grasp how everything works internally, and sometimes debugging issues within containers takes extra time. Overall, Docker on Ubuntu is a powerful tool for students and developers, specifically useful for project work and back-end development while learning modern database and development practices..”

Verified user

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Database developer at a university with 501-1,000 employees

“My main use case for Docker on Ubuntu is when we need to work on my machine and many people need to have different PHP versions. We use Docker to minimize changes and have all machines set to the same version.

“Docker helps me manage those different versions and setups by allowing me to prepare a Docker file container, and after that, I can expose to my colleagues the same version, the same configuration, the same Docker file, and setup.

“Docker on Ubuntu is a good tool for our purposes..”

Vasilij Duško

Senior PHP Developer at a non-profit with 11-50 employees

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“My main use case for Docker on Ubuntu is that I'm working at a product-based company that has its own app, so we have to check and deploy this app on a containerized base system using Ubuntu as a base machine, installing Docker, and testing the app.

“A quick example of how I use Docker on Ubuntu with my company's app involves a big server located in the US, where it has 48 cores, around 512 GB of RAM, and 1 TB of storage, and we have a requirement to install Docker as a container system on a Ubuntu base to deploy our application in order to test whether our new build is working as expected or not, using Docker on Ubuntu for testing purposes.

“As I mentioned, it's a product-based company, and we're using a monitoring tool called Cabmon to monitor all the servers in our environment, so for this, we have a NOC server, which we initially used as a full server, but a few weeks or months back, we migrated these onto containers for testing purposes..”

AnilKumar13

Devops Engineer at EDAG

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“Docker on Ubuntu is installed on our Linux-based Ubuntu operating system. Our infrastructure is running on a Linux-based operating system where Docker on Ubuntu and Kubernetes are working because we have orchestrated our infrastructure in this OS, and we are managing from our side. We are not managing a managed platform; we are self-managing.

Docker on Ubuntu is a lightweight operating system with lightweight images that work very fast and do not cause any trouble while using in Ubuntu. It provides both reduced team overload and benefits to our workflow. It deploys fast because the lightweight images help to deploy faster in Docker on Ubuntu and Kubernetes, since our main cluster uses these Docker images. All of our microservices are running, and our application, DBs, and other things also use Docker on Ubuntu only. Docker on Ubuntu is being used in the Kubernetes cluster, which is why it is very fast when we deploy.

Our organization is using two operating systems: RHEL and Ubuntu. Mostly 90% of our Docker on Ubuntu images are installed in Ubuntu's platform. Since we have everything in-house, we are using self-managed solutions. We are using this operating system for deployment purposes. Docker on Ubuntu and the Kubernetes cluster provide deployment space and reliability. It has reduced our costs because we are not dependent on any third-party tools; we are managing it by ourselves. We have noticed many metrics changes. Since we are using observability in-house, we are using Docker on Ubuntu and open-source other tools for monitoring purposes where the metrics we fetch from this infrastructure level.

Since I am using Ubuntu's operating system, I am not dependent on any managed operating systems like Amazon or Azure. Docker on Ubuntu is an open-source solution that we are managing by ourselves, which is why I feel it is a faster solution and provides high reliability. It has ensured that we did not face any issues while using our application, and other customers using the same platform have had similar positive experiences..”

Aatif Hassan

Site Reliability Engineer at a energy/utilities company with 10,001+ 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 worked in the command line with commands. It is okay. Not that easy, but it is fine. We can get accustomed to it if you continuously work on it. In setup, we just need to install Docker on Ubuntu and use it through the command line. It is straightforward and easy. Once we study using Docker on Ubuntu documentation, we will understand it. It is not that hard.

Deva Rugved

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Software Engineer at INSTITUTE OF AERONAUTICAL ENGINEERING

“My experience with pricing, setup cost, and licensing is that Docker does not have licensing, and for pricing, you only need to pay for the virtual machines or servers you host..”

HarshalJethwa

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

“My experience with pricing, setup cost, and licensing is that since Docker on Ubuntu itself is open source and free to use, I haven't had any experience with its pricing; the only pricing that comes with Docker on Ubuntu is the infrastructure, and if you opt for enterprise features..”

Francisco Pulido

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SecOps Engineer at a real estate/law firm with 501-1,000 employees

“My experience with pricing, setup cost, and licensing is pretty much simple because Docker does not have a license and there is no pricing for it. The steps are provided, and we have a shell script written by Docker that you just run, and it does the automatic work for you. It is very much simple..”

Manas Kashyap

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Senior Dev Ops Engineer at 11 East Capital

“My experience with pricing, setup cost, and licensing is that the costs can vary for purchasing machine images, but it's very cheap for open source operating systems like Ubuntu, and I can't remember if it was free or very low cost. It might have even been free since it's open source, making it very good..”

Verified user

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Cloud Ops Lead at a tech vendor with 10,001+ employees

“I would say it is easy to install Docker on Ubuntu; I have had no significant problems with installation. It has become easier since I am using it regularly. However, in certain countries, they lack specific libraries, leading to dependency issues when we go for Docker on Ubuntu on top. Despite that, I feel it is generally okay. App images, which are also popular, sometimes become similar to Docker on Ubuntu, so we would love to include Docker on Ubuntu in it and run it off. All these factors will work out well when Ubuntu offers everything together with Docker on Ubuntu without portability concerns..”

SampathkumarRajasekaran

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Director IT at Artizense Hub

Customer Service and Support

“We are not using any enterprise level of Docker on Ubuntu. Sometimes if we get any issues, we have expert teams at the operating system level for Linux-based systems. We did not get any support, and we are not taking any help from any support resources..”

Aatif Hassan

Site Reliability Engineer at a energy/utilities company with 10,001+ employees

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“The customer service for Docker on Ubuntu and their technical support are pretty good, especially since the documentation is pretty robust. The company behind Ubuntu, Canonical, is a community project, and they provide a lot of documentation and very good support. I have worked a couple of times with the team from Canonical, and they are very proficient in technical matters..”

Alfredo Barba

Founder at Asynka

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Other Advice

“For anyone considering using Docker on Ubuntu, I recommend trying it at least once to understand your workflow better, especially regarding the database and backend aspects. It is easy to use, and I can access the free version at the beginner level, allowing for a valuable learning experience. I give Docker on Ubuntu a rating of eight out of ten..”

Verified user

Database developer at a university with 501-1,000 employees

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“My advice to others looking into using Docker on Ubuntu is that Docker on Ubuntu is very powerful and vast, so getting to know the best practices, especially around security and networking, is a must to get the most value out of it. I would rate this product a 9 out of 10..”

Francisco Pulido

SecOps Engineer at a real estate/law firm with 501-1,000 employees

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“My advice to others looking into using Docker on Ubuntu is that if they want to Dockerize an application, want a lightweight solution, create multi-stage resources, use fewer resources, and do not want to pay for virtual machines, they can use Docker and containerize their applications.

“I gave this review a rating of eight out of ten..”

HarshalJethwa

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

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“I would like to suggest to people who are going to be in [Docker](#) on Ubuntu-based applications that since it is lightweight, it does not cause any trouble to use or any performance level or any kinds of issues. Whatever we have required, we only provide this in a file that we can use in Docker on Ubuntu images. Since Ubuntu is also an open-source platform, we can use it if we have any expertise on Linux. Docker on Ubuntu is a great containerization tool, and I would like to use it continuously in the future. My overall rating for this solution is 10 out of 10..”

Aatif Hassan

Site Reliability Engineer at a energy/utilities company with 10,001+ employees

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“I would rate Docker on Ubuntu an eight overall.

“I chose 8 out of 10 because Docker includes a service and a daemon that require specific configurations, similar to other services such as httpd; it's heavy for any server, occasionally needing daemon reloads, hence, I'm cutting two points; otherwise, Docker on Ubuntu is excellent for testing purposes.

“My advice for others looking to use Docker on Ubuntu is to check the daemon first and always make appropriate network-related settings to avoid issues. I have given Docker on Ubuntu a rating of 8 out of 10..”

AnilKumar13

Devops Engineer at EDAG

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“I rate Docker on Ubuntu a ten out of ten.

“I choose ten because Docker is more appropriate to use in [Ubuntu](#) and Mac OS, but never on Windows because Windows has more issues with Docker.

“Regarding Docker on Ubuntu's AI capabilities, I think that in some ways, we will have exposed data if we use AI, as AI reads all data from your computer into the internet.

“Regarding Docker on Ubuntu's AI capabilities, its accuracy and reliability of output sometimes provide not useful information, but in almost all cases, it allows me to fix a lot of issues, especially when upgrading from Docker PHP version 7.4 to 8.5.

“I have never used Swarms, but in reality, I want to try it.

“My advice to others looking into using Docker on Ubuntu is to match permissions, to think about your architecture, and to make your Docker configuration possible to share from local development to UAT and production. Some configurations may need to be handled in separate ways.

“My overall rating for Docker on Ubuntu is ten out of ten..”

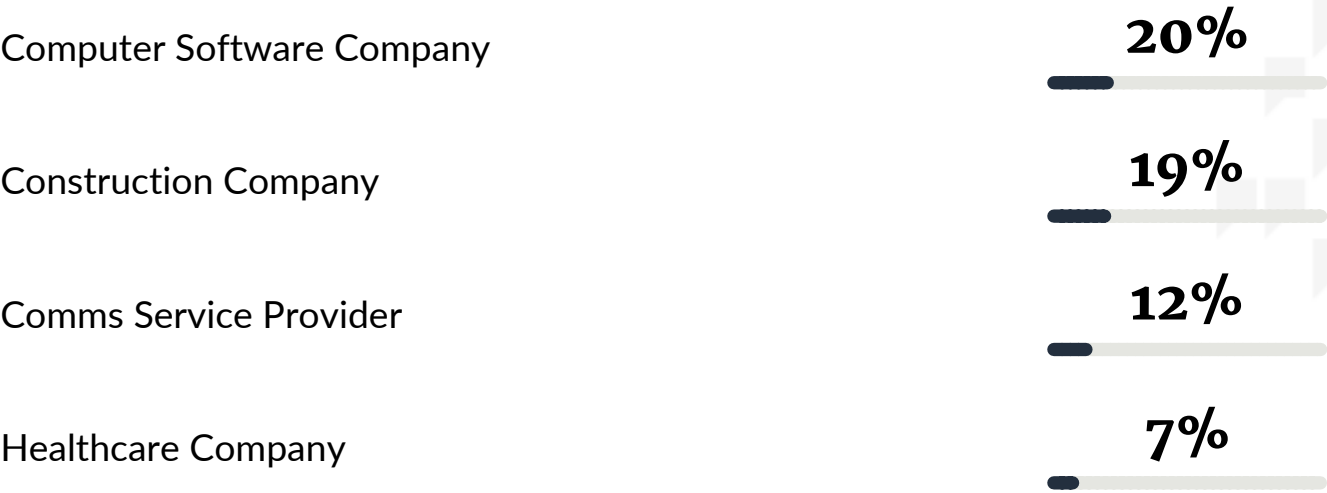
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Senior PHP Developer at a non-profit with 11-50 employees

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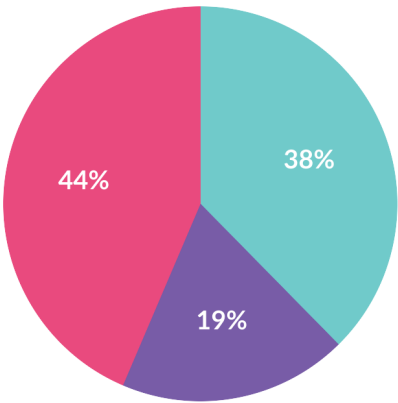
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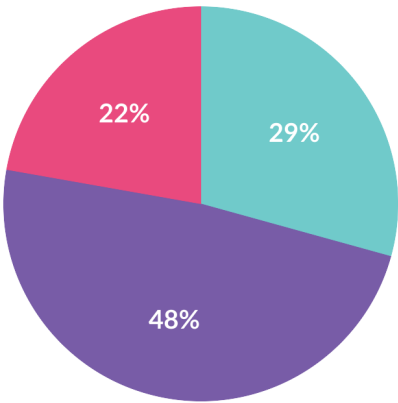


Company Size

by reviewers



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Large Enterprise

Midsize Enterprise

Small Business

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