



6 Reasons to Implement **DevOps** in Your Business



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Transform your business
With skillmine DevOps

Introduction: DevOps and its importance

DevOps and DevSecOps are the top Software development methodologies used worldwide at present. [Source] 38% of the recruiters demand DevOps skills in the candidates, with Linux being the most used technology in the DevOps tech stack. Additionally, there is over 25% DevOps skill acquisition demand among developers worldwide today. So, what is DevOps, and what makes it so important?

What is DevOps?

Software development (Dev) and IT operations (Ops) are the roots of the term "DevOps" (Ops). The term refers to a culture change that will enable the continuous delivery of high-quality software and reduce the development cycle. It is primarily distinguished by shared ownership, automated workflow, and quick feedback principles. As a result, all phases of the software development cycle, not just a few, must be understood by the team members.



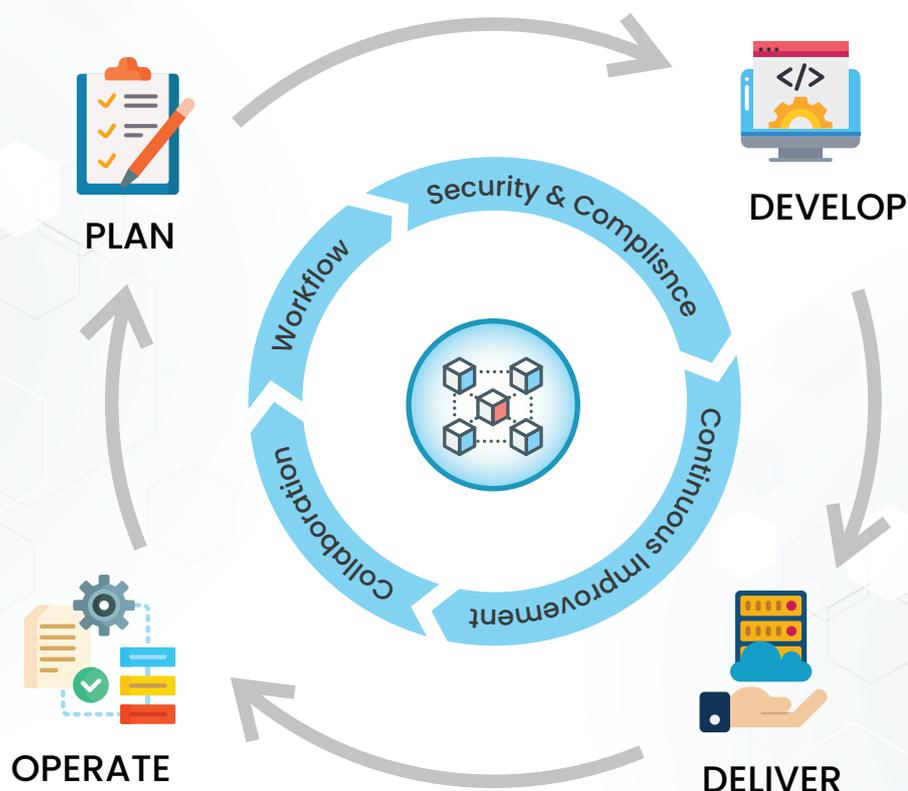
Importance of DevOps

It is frequently challenging to determine whether an application is ready for service when the development and operations teams are in separate silos. The software is significantly simpler to develop with a team working together on production and service.

This is crucial since the success of firms depends on their capacity to advance more quickly than their competitors. Providing DevOps training can help your business gain knowledge on agile development and inculcate innovation-focused skills.

DevOps's shorter development cycles allow for more frequent code releases. In essence, this makes it simpler to find bugs in the code. Utilizing agile programming methodologies, which demand collaboration and modular programming, teams can also lower the number of implementation failures. Besides, DevOps improves the environment for developing software.

DevOps Application Lifecycle



In this eBook, we dig deeper to discover the exceptional benefits DevOps can give your business.



6 Reasons to Implement **DevOps** in Your Business

Why should you use DevOps in your business?

Take a look at these points to understand why implementing DevOps in your business is a wise decision:



Significant product quality improvement

One of its benefits is that DevOps uses a continuous testing procedure. Hence, any problems, flaws, or inconsistencies will be rapidly identified via testing. This enables it to be fixed before the product's release, assuring the highest level of quality.



An improved user experience

Splitting a project into manageable chunks is how DevOps operates. As a result, there will be more opportunities for customer feedback. Additionally, it makes it simpler for developers to incorporate this feedback into creating the final product.



Reduced production costs

The DevOps methodology can also lower production costs and generate financial savings for your business. Additionally, it takes less time to create, manage, and update content through hosting, all of which use fewer resources.



Enhanced software performance

In contrast to the conventional method of developing apps, a DevOps program that is properly implemented can deliver better software performance more quickly. The reason is that the entire team is in charge of innovation and stability rather than just one department. This expedites the process and results in a higher-quality final product.



Rapid deployment

One of the essential advantages of the DevOps methodology is speed. This is because the DevOps infrastructure and tools support the delivery of features and updates more quickly and frequently than the conventional app development approaches. This can help your business maintain its competitive edge while winning over engineering teams and users.



Increased organizational productivity

DevOps methodology enables your team to concentrate on its unique initiatives. Hence, when you employ DevOps best practices, the productivity and efficiency of the business increase. DevOps also enables successful communication with other teams. As a result, collaboration is encouraged.

Benefits of DevOps



Accelerates
time to market



Helps in
adapting to
the market



Maintains
system stability
and reliability



Improves the
mean time
to recovery



Transform Your Business With **Skillmine** DevOps



Modernize your product development cycle with Skillmine DevOps

Skillmine DevOps services have a proven track record of improving business agility, increasing efficiency, and reducing business costs. We have extensive knowledge of streamlining the release cycles of various applications, from legacy to agile and beyond, for organizations. Our professionals ensure that the best CI/CD methods are applied for better code quality, easier maintenance, and quicker market time.

Our engineers incorporate security into the product's core through the DevOps services while offering tried-and-true techniques to track outcomes. Our team thoroughly comprehends the needs of your project and employs the best DevOps techniques to deliver the results you want for your company.

Our DevOps approach

```
output  
it a second before processing data */  
/* if valid line set */  
< 0) < /* if digit not processed yet */  
; 12) < /* i  
its == 4 &&  
it1 == CODE1  
it2 == CODE2  
it3 == CODE3  
it4 == CODE4  
lay_sec(2);  
s = 0;  
read = 0;  
s++;  
read = 1;
```

Assessment and planning: To automate the infrastructure, we evaluate the organisational procedures and IT infrastructure that is currently in place.

Automate infrastructure: We automate the entire infrastructure and configure build servers, testing, staging, and production environments.

Continuous integration: We run automated test runs and merge all code changes into a single repository.

Continuous deployment: To avoid any bugs or delays, we deploy complicated apps to the required infrastructure requirements and run modifications via the CI/CD pipeline.

Integrate strong security: We incorporate strong security standards into the project and use industry-leading tools to carry out automated security testing and compliance procedures.

How Skillmine DevOps enabled agile transformation journey for a leading private bank?

The bank, with branches across India, faced difficulty combining its development and operations. Carrying out development and operations in isolation led to a lack of accountability for the entire process: from requirements, through development and testing, into production.

The bank approached Skillmine to develop a solution for faster implementation and increased operational efficiencies.

Skillmine's primary focus was on:



Effective risk and dependency management.



Improving transparency.



Generating measurable results.

Skillmine could deliver the following results for the organization:

- Increase in the number of releases – by almost 45%.
- Decrease in business-impacting incidents – by almost 43%.
- Creation of one single, multi-skilled, accountable team.
- Faster, smaller and safer releases into production.
- Use of cutting-edge technologies and methodologies.



Want to transform your Business?



[know more](#)

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