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DevOps Engineer


| DevOps Engineer (role) | |
|------------------------|---|
| Title | DevOps Engineer |
| Description | DevOps Engineers are IT professionals who collaborate with software developers, system operators and other IT staff members to manage code releases |

Areas of Interest:

- Agile
- DevOps
- DevOps Toolchain

DevOps Roadmap

- DevOps
- Toolchain
- Roadmap
- Stages
 - Plan
 - Create
 - Verify
 - Packaging
 - Release
 - Configure
 - Monitor

 Fix Me!

TBD - How to master and learn DevOps...

DevOps Roadmap

Programming Languages

- C++, C#, JavaScript, Python
 - Application Stacks
- Full Stacks (Software Bundles)

Server Administration

- [Linux](#)
- [Windows](#)

Network & Security

- [Computer Networking](#)
 - [NOC](#)
 - [OSI model](#)
 - [AI security](#)

Servers

- Web Servers
 - IIS
 - Apache
- Databases
 - SQL
 - Microsoft SQL
 - NoSQL

Infrastructure as Code

- Configuration Management
 - [Puppet](#)
 - [Chef](#)
- Containers
- Contrainer Orchistrators
- Infrastructure Provisioning
 - [GitOps](#)

CI/CD

- [CI/CD](#)

- [Jenkins](#)

Monitoring and Logging

- Monitoring
 - [DevOps Monitor](#)
 - [New Relic](#)
- Logging

Cloud Computing

- [AWS](#)
- [Azure](#) | [Azure DevOps](#)

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[→ Read more...](#)

[devops](#), [roadmap](#), [devx](#)

Benefits of DevOps Engineers

A DevOps engineer is a professional who bridges the gap between development and operations teams, and is responsible for the continuous integration and delivery of software. Here are some of the benefits of having a DevOps engineer on your team:

- **Faster time-to-market:** A DevOps engineer can help to speed up the software development lifecycle by automating processes, such as code testing, building, and deployment. This can help organizations to release new features and updates more quickly, improving time-to-market and competitiveness.
- **Improved collaboration:** A DevOps engineer can facilitate better communication and collaboration between development and operations teams. By breaking down silos and encouraging cross-functional collaboration, a DevOps engineer can improve the efficiency of software development and delivery.
- **Enhanced reliability:** A DevOps engineer can help to ensure that software is reliable and performs as expected in production environments. By implementing monitoring and logging tools, as well as using automated testing and deployment processes, a DevOps engineer can identify and resolve issues more quickly, minimizing downtime and improving reliability.
- **Increased efficiency:** A DevOps engineer can help to improve the efficiency of software

development by automating manual processes, reducing errors, and improving workflow. This can free up time for developers and operations teams to focus on higher-level tasks and strategic initiatives.

- **Improved scalability:** A DevOps engineer can help to ensure that software can scale to meet the needs of the organization. By designing and implementing scalable infrastructure, such as cloud-based systems, a DevOps engineer can help to ensure that software can handle increased demand and traffic.
- **Cost savings:** A DevOps engineer can help to reduce the cost of software development and delivery by optimizing processes, reducing errors, and improving efficiency. This can lead to cost savings in areas such as infrastructure, staffing, and maintenance.

[role](#), [devops](#), [roadmap](#)

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