



DevOps Engineer

WHAT DOES A DEVOPS ENGINEER DO?

DevOps Engineers are responsible for development operations and system operations in the enterprise. DevOps Engineers are primarily concerned with automation and continuous deployment in application delivery, making them important in most phases of the software development lifecycle.

Day-to-Day Expectations and Responsibilities

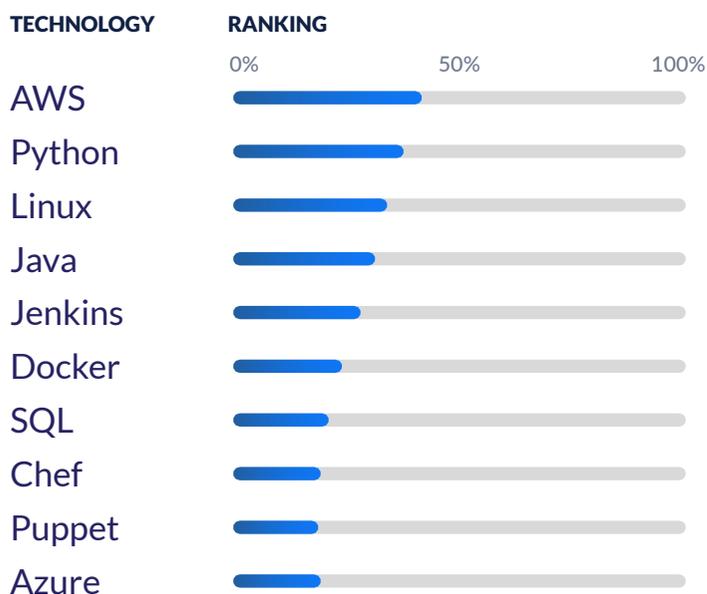
-  **Design and develop systems and processes** that support highly available, scalable, fault-tolerant software deployments
-  **Design, develop, and deploy** tools and frameworks to improve and automate software releases
-  **Build and maintain the environments** and processes that create efficiencies for developers
-  **Automate provisioning, infrastructure, and code deployment** by leveraging the latest in configuration management tools and containers
-  **Partner with QA to test application resiliency** and gauge readiness for software releases
-  **Partner with Security Engineering** to ensure security and compliance across enterprise environments

Key Traits of a DevOps Engineer

-  **Collaborative:** DevOps Engineers work collaboratively with development, QA, and security teams to achieve business objectives.
-  **Detail Oriented:** DevOps Engineers often wear multiple hats in an organization and must understand a variety of systems necessary to drive development efficiency.
-  **Proactive:** DevOps Engineers must be able to anticipate, identify, and resolve availability issues before they cause adverse business impact.

DEVOPS ENGINEER

Trending Technology Skills for DevOps Engineers



*Figures represent the share of all DevOps Engineer job postings analyzed that require a given skill. Data as of October 1, 2018. View this week's data [here](#).

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DevOps Engineer Target Skill Set

Technical Skill Set

- ✓ UNIX / Linux Operating systems and Bash scripting
- ✓ Ability to design, develop, and maintain CI/CD environments
- ✓ Configuration management tools including Ansible, Puppet, or Chef
- ✓ Programming languages such as Perl, Python, Ruby, C++, and Java
- ✓ Containerization tools and techniques

Non-Technical Skill Set

- ✓ Attention to detail and dedication to quality
- ✓ Ability to work independently and cross-functionally with other members of the team
- ✓ Ability to communicate both good news and bad with urgency

Starter Training Plan for DevOps Engineers

The following Cloud Academy courses and training plans prepare professionals to become DevOps Engineers. [Learn More About Training Plans>](#)

Amazon Web Services

[Configuration Management Tools](#)

[AWS SysOps Associate Certification](#)

[AWS Cloud Management Tools](#)

[DevOps Engineer - Professional](#)

[AWS Developer Services for CI/CD](#)

[Certification for AWS](#)

Industry Certification(s) for DevOps Engineers

After taking courses with Cloud Academy, DevOps Engineers can consider the following certifications.

Amazon Web Services

[AWS Certified DevOps Engineer Professional Certification](#)

[AWS Certified SysOps Administrator - Associate](#)