

DEVELOP YOUR FUTURE

DevOps is being adopted and integrated by most tech companies today, paving the way for an interesting and fulfilling career path. BRIJESH KOHLI shares tips that can help

The world is moving at a faster pace. Enterprises across the world are going through a digital revolution with automation and Artificial Intelligence at the forefront of this paradigm shift. Enterprises that are onboard the digital transformation journey are always looking to strengthen their IT organisation with a workforce skilled in emerging technologies, and this has increased the demand for professionals who are proficient in new-age tools and systems — one such emerging concept is DevOps.

DevOps can be defined as a modern strategy used to mitigate IT-related issues impacting software and service delivery. Intended to shorten the systems' development life cycle and provide continuous delivery with high software quality, DevOps encourages an environment of communication and collaboration, within the IT organisation to improve the agility and quality of their delivery.

It also helps improve predictability, efficiency, and security and empowers developers with more control to create a better production infrastructure. For these reasons, DevOps is being adopted and integrated by most tech com-



panies today, paving the way for an interesting and fulfilling career path.

DevOps engineers work with IT developers towards facilitating better coordination among the various IT-related functions by streamlining and automating the integration and the deployment processes.

To be a proficient DevOps engineer, one needs to be adept at certain skills like programming knowledge, system administration, network and storage, infrastructure management and compliance, automation tools, visualisation,

cloud computing, security, testing, and good communication skills. Here, we have explained some of the important skills you need to perfect to become a preferred DevOps engineer.

Programming knowledge: As a DevOps engineer, you have a huge responsibility for ensuring the smooth running of operations and knowledge of coding languages such as Python, Java, NodeJS, .NET, React, Angular, Ruby, and others can help you understand your roles and responsibilities better.

CI/CD: DevOps process

involves a lot of development, testing and deployment technologies for developing automated Continuous Integration/Continuous Delivery pipelines. Continuous integration (CI) combines the work products of individual developers into a repository. Continuous delivery (CD) is intended to reduce the conflicting points which are inherent in the deployment or release processes.

System administration: System administration includes building, deploying, testing and debugging servers regularly. The person responsible for system administration is directly responsible for the overall health of the system and therefore it makes more sense for the DevOps Engineer to know more about system administration as that helps make decisions regarding automation of systems and servers.

DevOps is a growing technology with lots of IT processes dependent on it, professionals tend to move to related roles in a few years, growing in expertise and experience. Apart from a good job profile, one can also expect an attractive salary package.

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