DIVERGENCE ACADEMY

DevOps Engineer

Build and Deploy Application Code

Short Course

Duration

120 hours, 6 weekends

Schedule

Sat-Sun, 8:00 AM - 6:00 PM CST

Certifications

Microsoft Certified DevOps Engineer (AZ-400))

Contact Us

Divergence Academy
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https://divergence.one

Program Structure

Modules:

DevOps Design & DevOps Process Development | 20 hours:

Planning for DevOps, source control, managing technical debt, Git for enterprise DevOps, configuring pipelines

Continuous Integration & Continuous Delivery | 40 hours:

Implementing continuous integration using Azure Pipelines and GitHub Actions, managing application configuration and secrets, driving continuous deployment

Continuous Feedback and DevOps Security | 20 hours:

Providing feedback for development teams, implementing system feedback mechanisms, implementing security measures, validating code bases for compliance

Capstone Project | 40 hours

Backed by Trusted Sources

CompTIA Authorized Partner · (ISC)² Approved Training Provider · Course Report Best Data Science Bootcamp 2021 · Newsweek Divergence Academy Top Coding Schools of 2021

As a smart combination of software development and IT operations, DevOps brings together the best of both fields to produce high-quality software and systems.

Ready to gain expertise in the latest DevOps processes and practices? You've come to the right place. By the end of our DevOps Engineer course, you'll have mastered the many cornerstones of DevOps: using source control, scaling Git for an enterprise, consolidating artifacts, designing a dependency management strategy, managing secrets, and implementing continuous integration. You'll also become familiar with using a container build strategy, designing a release strategy, making a release management workflow, carrying out a deployment pattern, and improving feedback mechanisms.

By the program's end, you'll be able to design a tool integration strategy, a plan for end-to-end traceability, and a process to measure end-user satisfaction. You'll also be able to analyze user feedback, build a release pipeline and application infrastructure, and manage code quality—including technical debt.

Before taking this course, you should know some fundamental cloud computing concepts, including PaaS, SaaS, and IaaS. Having experience in an organization that delivers software would be helpful, but isn't required.

This program uses the National Initiative for Cybersecurity Education (NICE) Framework, equipping students with the real-world skills needed to work in cybersecurity. With these building blocks, you can help organizations automate security integration at every phase of the software development life cycle.

Support Services

- Perfect your resume, expand your professional network, and prepare for job interviews.
- Engage with classmates and instructors in shared study group channels over Microsoft Teams.
- Access exam vouchers for up to 180 days after the program ends, and use them within one year.

DevOps Jobs

You'll receive hands-on support from instructors and staff, along with certification preparation. This will get you ready for jobs like:

DevOps Evangelist:
Evangelists promote DevOps by identifying and quantifying the business benefits of DevOps implementation. Their role includes marketing to development and operational teams, identifying key elements needed to support DevOps delivery, and ensuring IT professionals are trained in DevOps deployment.

Release Manager:
Release managers oversee product development at every stage, focusing on technical details and hurdles that traditional project managers would not notice. Beyond focusing on product development, they also manage the maintenance of end-to-end application delivery.

Automation Architect:
Also known as integration specialists, automation architects analyze, design, and support continuous deployments while ensuring high availability on production and pre-production systems.

Software Developer / Tester:
Software developers / testers are essential for DevOps deployment. Although these workers are sometimes referred to simply as software developers, the role of software developer / tester is very unique. These developers are responsible not only for turning new requirements into code, but also for unit testing, deployment, and ongoing monitoring.

Experience Assurance (XA) Professional:
Quality assurance (QA) is often part of software development, but a different type of work is needed for organizations who use DevOps. QA testers are replaced by Experience Assurance (XA) experts. These experts ensure that all new features and functions are released with the end user experience in mind.

Security Engineer:
Security engineers collaborate with developers early on in the development process to share recommendations and embed key security features into products.

Flexible Options to Fund Your Future

Start today, with $0 paid up front

Scholarships
provide opportunities for underrepresented populations in tech. In particular, we offer a Women in Technology scholarship.

Installments
of three payments, $2,500 each—and $0 paid up front.

Loans
from one of our high-quality lenders for as little as $450 a month.

Contact our admissions department at **833-DIVERGE** for more funding options.