

**- SkillShift.**



# DEVOPS

AZURE

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# IN-DEMAND DEVOPS SKILLS

The global DevOps market is predicted to reach a staggering \$20.73 billion by 2027 (Source: Grand View Research, 2023). This rapid growth reflects the critical role DevOps plays in streamlining software development and delivery. At SkillShift, we offer a comprehensive DevOps with Azure specialization training program designed to equip you with the knowledge and skills to thrive in this high-demand field.



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# WHAT IS DEVOPS?

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DevOps is a collaborative approach that bridges the gap between development (Dev) and operations (Ops) teams, resulting in faster software delivery and increased efficiency.

## WHY CHOOSE SKILLSHIFT?

- **Expert-Led Training:** Learn from seasoned professionals with extensive experience in DevOps and Azure implementation.
- **Industry-Aligned Curriculum:** Master the latest DevOps tools and techniques, tailored to current market needs.
- **Hands-on Projects:** Apply your learning to real-world scenarios, enhancing your practical skills.
- **Guaranteed Interview Placement:** Get connected with top companies seeking skilled DevOps professionals.
- **Flexible Learning Options:** Choose from online, blended, or on-site training to fit your schedule.

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# CURRENT MARKET TRENDS

**Increased Demand for DevOps Engineers:** Both India and the global market are experiencing a surge in demand for DevOps professionals, with salaries reflecting this high demand.

**Cloud Adoption:** The growing adoption of cloud platforms like Azure is driving the need for cloud-based DevOps skills.

**Focus on Automation & Efficiency:** Companies are increasingly seeking DevOps engineers capable of automating processes and streamlining workflows.





# TRAINING CURRICULUM



This program combines theoretical knowledge with hands-on projects to ensure a well-rounded learning experience. It caters to individuals with different skill levels:

## Module 1: DevOps Fundamentals (20 Hours)

- **Introduction to DevOps:** Understand the core principles, benefits, and challenges of DevOps.
- **DevOps Lifecycle:** Explore the different stages of the DevOps lifecycle, including continuous integration (CI) and continuous delivery (CD).
- **Automation & Infrastructure as Code (IaC):** Learn how to automate processes and provision infrastructure using tools like Azure DevOps pipelines and ARM templates.
- **Version Control Systems (VCS):** Master the use of Git for version control and collaboration.

## Project 1: Automating Web App Deployment to Azure







## Module 2: Intermediate DevOps with Azure

**Azure DevOps Services:** Deep dive into Azure DevOps tools like Azure Pipelines, Azure Boards, and Azure Repos.

**Configuration Management:** Learn how to manage infrastructure configuration with tools like Ansible or Puppet.

**Containerization & Kubernetes:** Understand the concept of containerization and explore container orchestration platforms like Kubernetes. Understanding the Lens tool to use it for Kubernetes configurations.

**Monitoring & Logging:** Implement Azure Monitor and Log Analytics for effective infrastructure and application monitoring.

## Module 3: Advanced DevOps with Azure

- **Security in DevOps:** Integrate security practices into the DevOps lifecycle.
- **Cloud Cost Management:** Learn how to optimize cloud resource utilization and manage costs effectively.
- **Advanced CI/CD Techniques:** Explore advanced configurations for CI/CD pipelines, including branching strategies and deployment triggers and yaml scripting.
- **DevOps for Microservices Architecture:** Understand how to implement DevOps in a microservices environment.



# PROJECTS

**Project 2: Implementing CI/CD Pipeline for a Microservice Application**

**Project 3: Building a CI/CD Pipeline for a Serverless Application on Azure**

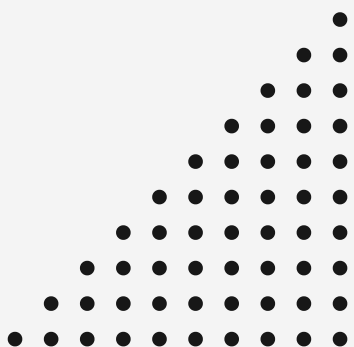
**Project 4 : Deploying a Web Application To Azure Kubernetes Service(AKS) with CI/CD Pipeline**



## **Fatigue-Free Learning:**

- **We structure our training with regular breaks and interactive exercises to ensure you stay engaged and retain information effectively.**
- **Our trainers employ a blend of learning methods (presentations, discussions, hands-on labs) to cater to different learning styles.**

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THANK  
YOU

ENROLL TODAY & LAUNCH YOUR  
DEVOPS CAREER!

## CONTACT US



+918861331342



[jayvardhan@nozomienterprises.com](mailto:jayvardhan@nozomienterprises.com)



[www.nozomienterprises.com](http://www.nozomienterprises.com)

