

Course Title: How to Build Your Career in DevOps

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Date: June 23, 2025

Time: 8:00 PM Bangladesh Time

Course Duration: 3 hours

Course Outline:

Introduction (15 minutes)

- **Overview of DevOps:**
 - What is DevOps?
 - Importance of DevOps in modern software development.
 - Key principles: Collaboration, Automation, Continuous Integration & Delivery.
- **Why DevOps is in high demand?**
 - Impact on business efficiency.
 - DevOps roles in the IT ecosystem.

Module 1: The DevOps Lifecycle (30 minutes)

- **Key Stages in the DevOps Pipeline:**
 - Planning & Coding.
 - Building & Testing.
 - Release & Deployment.
 - Monitoring & Feedback.
- **DevOps Tools Overview:**
 - Version control tools (Git, GitHub).
 - Continuous Integration/Continuous Deployment (CI/CD) tools (Jenkins, ArgoCD).
 - Containers (Docker, Kubernetes).
- **Demonstration:**
 - Walkthrough of a basic CI/CD pipeline.

Module 2: Essential DevOps Skills (40 minutes)

- **Technical Skills Needed:**
 - Knowledge of programming (Python, Bash).
 - Working with cloud platforms (AWS, Azure, Google Cloud).
 - Automation with scripting.
 - Monitoring tools (Nagios, Prometheus).
- **Soft Skills Required:**
 - Communication & collaboration.
 - Problem-solving and troubleshooting.
 - Agile and Scrum methodologies.

Module 3: Building Your DevOps Career (45 minutes)

- **Creating a Strong Resume:**
 - Highlighting skills and certifications.
 - Showcasing real-world projects and contributions (GitHub, personal projects).
- **Certifications and Training:**
 - Key certifications (AWS Certified DevOps Engineer, Docker Certified Associate).
 - Online courses and training resources.
- **Career Pathways:**
 - Junior vs Senior DevOps roles.
 - Potential job titles (DevOps Engineer, Site Reliability Engineer, Infrastructure Engineer).
 - Career progression and growth in DevOps.

Module 4: Building Hands-on Experience (30 minutes)

- **Learning by Doing:**
 - How to set up a local DevOps environment.
 - Best practices for learning through personal projects.
- **Internships & Freelancing:**
 - Gaining practical experience.
 - Networking and building a portfolio.
- **Real-world Case Studies:**
 - Successful DevOps implementations in companies.

Module 5: DevOps Culture and Collaboration (20 minutes)

- **Understanding DevOps Culture:**
 - How DevOps changes traditional IT operations.
 - The importance of collaboration between development and operations teams.
- **Building a DevOps mindset:**
 - Continuous improvement, failure tolerance, and learning.

Break (15 minutes)

Q&A and Interactive Session (30 minutes)

- Open floor for participant questions.
- Discuss career advice and share resources for further learning.
- Addressing concerns related to job searches, salary expectations, etc.

Conclusion (15 minutes)

- Recap key takeaways.
- Discuss next steps: Networking, applying for DevOps roles.
- Encourage attendees to register for further resources.

Course Deliverables:

- Access to recording and slides.
- Sample DevOps project template.
- List of key certifications and resources for continued learning.

Target Audience:

- Aspiring DevOps professionals.
- Developers looking to transition into DevOps roles.
- IT professionals interested in automation and cloud technologies.