2024

CERTIFIED DevOps
ENGINEER

Certified DevOps Engineer

Accelerate Your Career in DevOps with ASB!

Excel in enhancing software development and delivery with ASB's dynamic DevOps Engineer course. Whether you are a fresh graduate or a working professional aiming to elevate your skills, our program is designed to furnish you with the knowledge and expertise to facilitate streamlined workflows in software development and related processes.

This comprehensive course encompasses critical components of DevOps like networking, cloud computing, and associated tools. Guided by industry experts, you will learn to utilize the power of collaboration, automation, and feedback so as to optimize the software development lifecycle.

Our hands-on curriculum revolves around real-world applications of development concepts and technologies, emphasizing security considerations and deployment mastery.
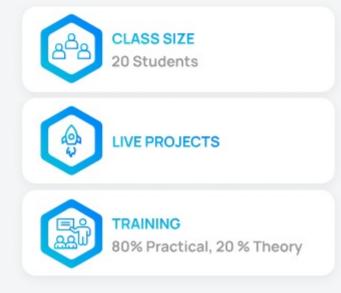
According to estimates, the size of the worldwide DevOps market will increase from its base value of USD 10.4 billion in 2023 to USD 25.5 billion by 2028. Further, 77% of firms either actively use DevOps for software deployment or plan to do so in the near future, as per the data collected and analysed by Google.

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Join ASB and prepare yourself for a flourishing career in the DevOps sector.

Key Features

COURSE LENGTH 6 months	**CLASS SIZE** 20 Students
EFFORT 10 Hours a Week	**LIVE PROJECTS**
MODEL Instructor - led	**TRAINING** 80% Practical, 20 % Theory

Tools You **Will Learn**

GitHub

docker

aws Amazon Web Services

Syllabus / **Curriculum**

Module 1
Understanding Operating Systems

✓ **Hierarchical Structure**

Hierarchical Structure of Linux
Accessing and Managing files From the Command Line
Managing Files Using the Command-line Tools
Creating, Viewing, and Editing Text Files
Working with Files in Linux
Create, manage, and delete the Directories
Editors used in Linux
Managing Local Users and Groups

✓ **File Security**

Interpreting Linux File System Permissions
Managing the Default Permissions and File Access

✓ **Disk Management**

Introduction to Storage in Linux
Managing the File Systems

✓ **Networking**

Basics of the Networking Concepts
Assigning the Static IP Address via cmd
Configuring SSH Login and Configuration
Allowing and Denying System Firewalls

Module 2
Cloud Computing

✓ **Introduction to Cloud Services**

Types of Cloud Services
Popular Cloud Service Providers and their working
Regions and Availability Zones
Identity and Access Management
Overview of IAM Policies & MFA
Understanding SSH
Cloud Financial Management
Virtual Private Cloud (VPC)

Module 3
DevOps Tools

✓ **Version control and setting up GIT**

Working with various commands in GIT
Recording Changes to the Repository
Tracking Files, Staging modified files and Ignoring Files
Viewing Staged and Unstaged Changes
Commit Your Changes
Removing Files and Viewing Commit History
Limiting Log Output and Changing Last Commit
Working with Remotes and Adding Repositories
Fetching and Pulling from Your Remotes
Basic of Branching and Merging
Remote Branches – create and delete
Rebasing
Git workflows and Git cheat sheet

✓ **Working with Local repository and remote repository**

Stashing operations and various local repository operations
Branching and merging operations
Resolving conflicts during merges

✓ **Continuous Integration and Deployment**
Overview of CD/CI Pipelines

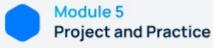✓ **Package Management with Docker**
Container Management

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Module 4
Docker – Containerization Technology

✓ Containerization Technology

Real-world Shipping Transportation Challenges
Introducing Docker and its technology
Understanding of Docker images and containers
Working with container, Share and copy container
Container Life Cycle
How to use Base Image and customise
Creation of Docker File and Publish Image
Docker Networking and Types
Docker Compose and Docker Swarm

Module 5
Project and Practice

On successful completion of the programme, you will earn a coveted certificate as **Antier School of Blockchain.**

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CERTIFICATE OF COMPLETION

This Certificate Is Awarded To

Rakesh Mehra

In Recognition Of Your Successful Completion Of Certificate In DevOps. Your Hard Work, Dedication, And Commitment To Learning Have Enabled You To Achieve This Milestone, And We Are Proud To Recognize Your Accomplishment.

_____
Date

_____
Signature

* The Certificate shown above is for indicative purpose only. The actual certificate may vary.

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Founder, Antier Solutions.

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Development

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Chief Training Officer/
Technical Project Manager

AJAY MITTAL
Academic Program
Advisor And Mentor

KARAN BHAI
Head - Business
Intelligence

ROHIT KUMAR
Software Developer
Cum Trainer

UDAYVEER SINGH
Lead Trainer
B.Tech, CSE

SAURABH KAWATRA
Technical Software
Trainer

GAGANDEEP SINGH
Product Head

Best-in-Class
Blockchain
Industry Experts

Internship and Placement Opportunity on Successful Completion.

Career Options After Course Completion.

- ⊘ DevOps Engineer
- ⊘ DevOps Cloud Engineer
- ⊘ Release Manager
- ⊘ Software Developer

- ⊘ DevOps Architect
- ⊘ DevOps Automation Expert
- ⊘ DevOps Testing Engineer
- ⊘ System Engineer

ASB
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Certificate Programme in
DevOps
ENGINEER

YOUR DREAM CAREER! JUST A CLICK AWAY !!!

Any questions?
CONTACT ME

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