

Certified DevOps Master

Global Certification Program

- ✓ Globally lifetime Valid Certification
- ✓ Lifetime Valid Certification
- ✓ AI based Roleplay & Simulations
- ✓ Two Exam Attempts



An Overview

what you can expect from this program

The GSDC Certified DevOps Master (CDM) certification is a globally recognized credential that validates advanced expertise across the complete DevOps lifecycle from continuous integration and deployment to automation, monitoring, and cultural transformation.

Designed for professionals aiming to demonstrate mastery in both technical practices and organizational change, this certification proves your ability to streamline development pipelines, integrate operations with agility, and drive business value through DevOps principles.

Unlike traditional training programs, the CDM certification emphasizes practical, applied knowledge. Candidates are assessed on real-world implementation through case studies, toolchains, and end-to-end automation strategies.

By earning the CDM credential, professionals distinguish themselves as elite DevOps leaders capable of designing scalable systems, fostering collaborative IT cultures, and delivering faster, more reliable software solutions that accelerate innovation and organizational growth.

	Type	Online self-paced learning, Mocks
	Language	English (including subtitles)
	Access	12 months
	AI based Role play	Prepare yourself for career with AI based roleplay
	Digital certificate upon completion (2 Attempts)	
	Card Payment, Bank Transfer	
	Reading materials & Reference Templates	
	100% money back guarantee*	

GSDC Introduction

Welcome to the Global Skill Development Council (GSDC)!

As an independent, vendor-agnostic certification organization, we empower professionals worldwide.

Leading MNC organizations and global universities recognize our certifications. With a diverse portfolio of over 150+ programs, including L&D, HR, SRE, DevOps, Agile, Six Sigma, and Cyber Security, we've certified over 250,000 professionals.

Partnered with 100+ global training organizations, GSDC is your gateway to unlocking endless opportunities.

Join us today and let your skills soar to new heights!



Introduction

Certified DevOps Master

The DevOps Master Certification offered by GSDC is designed to provide comprehensive knowledge and practical expertise in implementing the DevOps framework. By obtaining the Certified DevOps Master qualification, individuals demonstrate proficiency in multiple aspects of continuous development and deployment, software development operations, continuous integration, and configuration management automation. This certification equips learners with a deep understanding of essential tools such as Git, Docker, Jenkins, Nagios, Puppet, Ansible, and Kubernetes.

The primary objective of the Certified DevOps Master program is to foster an appreciation for the cultural shift inherent in DevOps, as well as to cultivate awareness of different roles and responsibilities within cross-functional teams. Additionally, participants gain insight into the pivotal role of automation in achieving the benefits associated with successful DevOps implementation.



Learning Objective

- ❑ Validate advanced expertise in the complete DevOps lifecycle
- ❑ Demonstrate mastery in CI/CD, automation, and monitoring
- ❑ Prove ability to drive cross-functional collaboration
- ❑ Showcase leadership in cultural and organizational transformation
- ❑ Apply DevOps principles to deliver faster business value
- ❑ Learn from practical use case studies, real-world scenarios
- ❑ Leverage ready-to-implement templates for rapid adoption
- ❑ Establish credibility as a globally recognized DevOps leader

OBJECTIVES OF DEVOPS MASTER

Curriculum

Module 1: Introduction to DevOps

- History of DevOps
- What is DevOps?
- DevOps Ecosystem
- DevOps Objectives
- DevOps Market Trends
- Fundamentals of DevOps
- Improve SDLC with DevOps, CI/CD, and Agile
- **Hands-on Assignment:** Set up a basic DevOps pipeline using any CI/CD tool

Module 2: Challenges with Current IT Practices

- Development & Feedback Cycle
- Innovation & Collaboration
- Deployment Failures
- Recovery & Rollback Time
- Total Cost of Ownership
- Process Inefficiencies

Module 3: DevOps Principles

- Understanding DevOps Guiding Principles
- Importance of Collaborative Culture
- Cross-Functional Team Structure
- Automation

Module 4: Organizational Considerations for DevOps Adoption

- Embracing DevOps Mindset
- Iterative Adoption
- Business Goals

Module 5: DevOps in Digital Transformation

- Understanding Digital Transformation
- Why Digital Transformation Matters
- Importance of DevOps in Digital Transformation

Module 6: DevOps Culture

- Organizational Change
- Breaking the Silos
- Team Structure

Module 7: Virtualization & Cloud Fundamentals

- Virtual Machines
- AWS Overview & Benefits (Free-tier Account Setup)
- Creating and Managing Virtual Machines in AWS
- How to Connect to EC2 Instance from Windows (Mobaxterm)
- AWS CLI: Connecting to EC2 from UI & Terminal
- AWS CloudFormation Template Walkthrough
- **Hands-on Assignment:** Create and connect to an EC2 instance using Mobaxterm

Module 8: Linux & Shell Scripting for DevOps

- Linux Basics
- Shell Scripting for DevOps (Part 1 & Part 2)
- Automating AWS Tasks with Shell Scripts
- Live AWS Project using Shell Scripting
- **Hands-on Assignment:** Write and execute shell scripts to automate AWS tasks

Module 9: Git, GitHub, GitLab & CI/CD Basics

- Git and GitHub
- Git Branching Strategy
- Bitbucket Overview
- Introduction to GitLab
- GitLab Commands (Fork, SSH Keys, Runners for Mac & Windows)
- Jenkins Setup and Pipeline View
- Install & Use Artifactory
- GitLab CI/CD Basics
- **Hands-on Assignment:** Create and manage a repository on GitLab, including CI/CD setup

Module 10: Infrastructure as Code & Configuration Management

- Infrastructure as Code Concepts
- Deploy & Expose Your First App to AWS
- Top 15 AWS Services for DevOps
- Configuration Management with Ansible
- Introduction to Terraform
- Project Management Tools for DevOps (JIRA Workflow)
- **Hands-on Assignment:** Implement infrastructure as code using Terraform

Module 11: Advanced CI/CD Pipelines

- What is CI/CD?
- Jenkins Deep Dive
- GitHub Actions & Self-Hosted Runners
- Working with YAML for Pipelines
- Harness CD & GitOps with Terraform
- Deployment Strategies (Blue-Green, Canary, Serverless, Kustomize)
- ArgoCD with Terraform
- Building End-to-End Software Delivery Pipelines
- Secure Container Image Signing (Cosign & OPA)
- **Hands-on Assignment:** Set up a complete CI/CD pipeline using Jenkins or GitHub Actions

Module 12: Containers, Docker & Kubernetes

- Introduction to Containers
- Docker Basics & Walkthrough
- Multi-Stage Docker Builds
- Docker Volumes & Bind Mounts
- Docker Networking (Bridge vs Host vs Overlay)
- Kubernetes Architecture & Fundamentals
- Deploying Apps with Kubernetes
- **Hands-on Assignment:** Dockerize a simple application and deploy it using Kubernetes

Module 13: Advanced Kubernetes Concepts

- Kubernetes Clusters, Pods, Deployments, Services
- Ingress & TLS with Controllers
- Kubernetes RBAC (Role-Based Access Control)
- Kubernetes Custom Resources
- Helm Charts for Kubernetes
- **Hands-on Assignment:** Advanced Deployment Scenarios in Kubernetes

Module 14: GitOps & Argo CD

- What is GitOps?
- Argo CD Architecture
- Installing & Using Argo CD
- Multi-Cluster Deployments with GitOps
- **Hands-on Assignment:** Implement GitOps using Argo CD for a multi-cluster environment

Module 15: Monitoring, Observability & Logging

- Continuous Monitoring Principles
- Kubernetes Monitoring with Prometheus & Grafana
- Logging & Observability in DevOps
- Harness Monitoring & GitOps Agents for Scaling Workloads
- **Hands-on Assignment:** Set up monitoring for a Kubernetes cluster using Prometheus & Grafana

Module 16: DevOps and Other Processes

- DevOps with ITSM
- DevOps with Agile
- DevOps with Scrum
- DevOps with Lean

Module 17: Capstone Projects

- AWS Live Project: Deploy App Using Httpd
- Ultimate Jenkins CI/CD End-to-End Project
- Multi-Cluster GitOps Deployment with Argo CD
- Observability Implementation with Prometheus & Grafana

Unleash Unlimited Potential

All GSDC certifications come with a lifetime membership, offering you a world of benefits to fuel your professional growth.



Expert Created Learning Material

Learn from knowledge shared by Top Industry Experts with 15+ yrs of experience.



Access to Global Conferences

Be a part of GSDC thriving learning community around the world, sharing knowledge from across the world.



Speaker invites @ GSDC Webinar Series

Share your knowledge with world at GSDC global webinar series, share your expertise and learn from others.



Downloadable Resources

Get access to templates and reference documents which will help you to do your day to day tasks easier.



Certificate Upgrades

Get complimentary certificate upgrades to keep up with the latest updates in processes and frameworks.



Newsletters, blogs with industry insights

Get newsletters, announcements and articles curated by experts direct to your inbox.



AI Based Role Play

Learn to implement applicability of knowledge with real life simulation based games.

What You Get In this Certification Program?

- Engaging digital learning videos
- Exclusive access to Global thought leader sessions & case studies
- Downloadable and implementable resources to support practical application
- Two mock exams with unlimited attempts for comprehensive preparation
- Certification exam voucher with 1-year validity
- Two attempts for certification exam

What our Candidates Saying?

We greatly appreciate the feedback from our program participants on Trustpilot. With an impressive average rating of 4.7 out of 5, their reviews highlight the positive experiences and value they have gained from our program.



Global Skill Development Council - GSDC
 Reviews 178 • Excellent
 4.7 ⓘ
 VERIFIED COMPANY



chandrakaran j
 2 reviews • IN
 Jul 18, 2023
 ★★★★★
I had a experience with GSDC with their...
 I had a experience with GSDC with their SRE course and it was very good. The speakers were very knowledgeable and kept it very interactive. Thanks the GSDC team for this!
 Date of experience: April 13, 2023



Tosin Olaniji
 1 review • NG
 Jul 11, 2023
 ★★★★★
The learning portal was so seamless
 The learning portal was so seamless, and user friendly. The course are so detailed, easy to understand, great lecturers. Safe to say the best learning platform I've used so far. I would recommend learning from GSDC to anyone. You sure will get a value for your money.
 Date of experience: July 08, 2023



Amani
 1 review • AE
 Aug 15, 2023
 ★★★★★
Certified Learning & Development Professional CLDP
 I took the certification course "Certified Learning & Development Professional CLDP" approved by the GSDC - Global Skill Development Council. So grateful to the professional team at the GSDC for this enlightening opportunity; namely, Ruguzeno, for her dedication, responsiveness, and constant support throughout this learning journey. And very special thanks to the amazing trainer and coach Deepak Sharma for the great weekly live sessions which I believe are the highlight of this certification programme. His knowledge, expertise, and outstanding skills have made the course very insightful, engaging, and enjoyable!
 Date of experience: July 21, 2023



Majid
 1 review • IN
 Sep 25, 2023
 ★★★★★
GSDC has been doing a great job in making learners gain knowledge!
 GSDC has been doing a great job in making the learners find right opportunities to gain knowledge for business! These two days were filled with knowledge and insights!
 Date of experience: September 25, 2023



Expert-Led Generative AI: Learn, Connect, Grow



Interactive Learning Experience:

Ask questions, discuss case studies, and receive implementation guidelines directly from expert, enhancing your understanding of complex AI topics



Lifelong Learning Journey:

Enjoy lifetime access to these sessions, ensuring you stay updated with the latest trends and continuously grow your AI expertise



Career-Boosting Network:

Connect with fellow professionals in the field, creating valuable relationships that can propel your career in the world of Generative AI

AI-Based Interview Practice Platform



- Engage With Real Time AI Interview Questions.
- Practice Questions Tailored with Your Expertise.
- Validate your Knowledge of subject Matter.

Capstone Project



- Apply Your Skills in Real World Scenario.
- Learn Methodologies Aligned to Your Expertise.
- Validate Skills and Knowledge Gained through the Certification.
- Showcase Expertise via a Capstone Project.

Enrollment-Options

Option-1

Certified DevOps Master With E-Learning

Fast-track your career by learning a new skill and earning a certificate

- ✓ Access expert videos and weekend 2-hour live sessions every Saturday with lifetime access
- ✓ 1 Certification Program
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ E-Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

ENROLL NOW

Option-2

Bundle

Create your own bundle with 3 certification program

- ✓ 3 Certification Program
- ✓ Access expert videos and weekend 2-hour live sessions every Saturday with lifetime access
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ E-Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

ENROLL NOW

Option-1 Certified DevOps Master with E-Learning

Certified DevOps Master with Digital Learning

Fast-track your career by learning a new skill and earning a certificate

- ✓ E-Learning from Industry Experts
- ✓ 1 Certification Program
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ Downloadable Resources



Option-2

Make Your Own Certified DevOps Master Bundle

**Enrich your skills and advance your career with our exclusive bundle.
Get certified in the following:**

Certified DevOps Master

Certified Agile Scrum Master

Certified Agile Scrum Product Owner

Certified PMO Professional

Expand your expertise, design impactful learning experiences, and master your skills.

BUY ANY

3

CERTIFICATIONS

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Unlock Workforce Potential Through Skill Validation!

Enroll now with the code **UPSKILL10** To avail 10% discount.

Register Now

100% Money Back Guarantee!

At GSDC, quality is our top priority. Our certification programs are designed to foster professional growth and ensure learning satisfaction. If you do not pass the certification exam after two attempts, we offer a 100% money-back guarantee.

- No Questions Asked*
- 100% Amount Refund*
- No Processing Fees*



Thank You



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