Certified in SRE Practitioner

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 Certified SRE Practitioner (CSREP) certification validates expertise in Site Reliability Engineering (SRE) principles, including automation, monitoring, incident management, and performance optimization. It focuses on SLIs, SLOs, error budgets, CI/CD, Kubernetes, and cloud reliability to ensure scalable and resilient systems. Ideal for DevOps engineers, SREs, and IT professionals, this certification enhances skills in maintaining system reliability, reducing downtime, and improving operational efficiency in modern IT environments.

	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 SRE Practitioner

The GSDC Certified SRE Practitioner certification is a highly regarded credential that validates your proficiency as a practitioner in Site Reliability Engineering (SRE). This certification is ideal for professionals who aim to enhance their expertise in managing and optimizing large-scale software systems.

By demonstrating your mastery of SRE principles and best practices, this certification showcases your ability to ensure reliability, scalability, and efficiency within IT operations.

With a strong emphasis on operational excellence, downtime reduction, and user satisfaction, the GSDC Certified SRE Practitioner certification equips you with the skills needed to proactively monitor and troubleshoot complex systems, design resilient architectures, and foster effective collaboration across teams.

Join an esteemed community of SRE practitioners who possess the knowledge and capabilities to maintain critical IT infrastructure seamlessly.

Learning Objective

❑ Gain hands-on experience in implementing SRE culture effectively

❑ Learn strategies to transition existing operations teams to SRE, including methods to overcome operational overload

❑ Explore the impact of Site Reliability Engineering on organizations

❑ Discover innovative budgeting techniques to foster resilience and minimize risks

❑ Implement total observability across the entire technology stack, including distributed plotting and a development culture focused on observation

❑ Master the purest implementation of DevOps, also known as SRE.

❑ Understand the role of SRE and why reliability is everyone's challenge.

❑ Apply practical techniques to create, monitor, and manage services using service-level objectives

❑ Understand the core principles of SRE and identify common pitfalls to avoid

OBJECTIVES OF SRE PRACTITIONER

Learning Objective

❑ Learn how to assess risks and quantify the consequences of service-level objectives (SLOs)

❑ Develop skills to build and maintain a secure and resilient zero-trust environment

❑ Understand the responsibilities of an SRE during major incidents based on the Incident Command Framework, including non-managed event scenarios

❑ Explore different approaches to deliver SRE implementations effectively.

❑ SRE Best practices & case studies.

OBJECTIVES OF SRE PRACTITIONER

Curriculum

1. Principles & Practices
- What is Site Reliability Engineering?
- Resilience and Reliability Planning
- SRE & DevOps: What is the Difference?
- SRE Principles & Practices
- Importance and need for this SRE role
- Recommended Case Study: DevOps failure healed with SRE

2. SLI/SLO/SLA & Error Budgets:
- Service Level Objectives (SLO's)
- SLI – Indicators in Practice
- SLO vs SLA
- Guidance on setting SLOs and SLIs
- Control Measures
- Golden Signals
- Error Budgets
- Error Budget Policies
- Recommended Case Study: Considerable Scenarios for SLI/SLO/SLA

3. Reducing Toil
- What is Toil?
- Why is Toil Bad?
- Doing Something About Toil
- How to identify a TOIL in our own space
- Technical Debt vs TOIL
- Types/categories of TOIL
- When we cannot consider an activity as a TOIL
- Recommended Case Study: How to Reduce Toils with Automation

4. SRE Project Build & Transition Approach
- Why SRE to be involved in Build & Transition
- Design Assessment
- Potential Deliverables & Recommendations
- Production readiness review
- Risk Management - Identification, prioritization, and mitigation

5. High Availability and Capacity Planning
- High Availability Concept
- Business Continuity Management
- Considerable DR Scenarios
- High Availability and handling Unpredicted Load

6. SRE Tools & Automation:
- Automation Defined (E2E Thinking)
- Automation Focus
- Hierarchy of Automation Types
- Secure Automation

7. DevOps CI/CD Toolchain and Pipeline:
- SDLC Model
- Waterfall Model
- Agile
- Lean Development
- DevOps Principles
- DevOps vs SRE

8.Chaos Engineering:
- What is Chaos Engineering?
- Chaos Test
- Alternate Chaos Test Tools

9.Communication and Collaboration:
- Why proper communication is important
- Effective tools for Communication
- Agile Approach with Lean way

10.Testing for Reliability:
- Relationships Between Testing and Mean Time to Repairs
- Types of Software Testing
- Creating a Test and Build Environment
- Testing at Scale
- Encourage Proactive Testing

11.Managing Incidents:
- Why Organizations Embrace SRE
- Patterns for SRE Adoption
- Sustainable Incident Response
- Blameless Post-Mortems
- SRE & Scale
- The Anatomy of an Unmanaged Incident
- Elements of Incident Management Process
- Managed Incidents
- Best Practices for Incident Management
- Recommended Case Study: Unmanaged vs Managed Incidents, Industry Use cases and practices followed by Cloud Service Providers to maintain reliability (Use Cases with Practical Mapping with Scenarios)

12.Emergency response:
- Process of Troubleshooting
- Effective Troubleshooting
- Common Pitfalls
- Effective handling of RCA with Problem Management
- Making Troubleshooting Easier

13.Effective Troubleshooting:
- Why Organizations Embrace SRE
- Patterns for SRE Adoption
- Sustainable Incident Response
- Blameless Post-Mortems
- SRE & Scale
- Practices followed by Cloud Service Providers to maintain reliability

14.Anti-Fragility & Learning from Failure:
- Why Learn from Failure
- Benefits of Anti-Fragility
- Shifting the Organizational Balance

15.SRE, Other Frameworks, Trends:
- SRE & Other Frameworks
- SRE Evolution
- Culture Setting for SRE
- Continuous Improvement cycle
- SRE Project Build & Transition Approach
- SRE After Go-live
- SRE Package

16.Personalized 1-1 Trainer session:
- Personalized 1-on-1 Trainer Session - Receive a customized training session with ongoing access to relevant topics, ensuring lifelong support

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

★★★★½ 4.7 ⓘ

VERIFIED COMPANY

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chandrasekaran 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 knowledegable and kept it very interactive . Thanks the GSDC team for this !
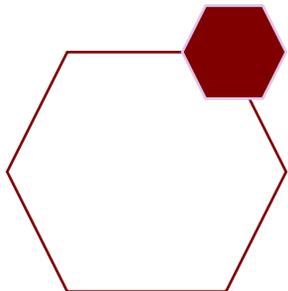
Date of experience: April 13, 2023

👍 Useful   ⌁ Share

Tosin Olaniyi
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

👍 Useful   ⌁ Share

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

👍 Useful   ⌁ Share

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, Ruguozeno, 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

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
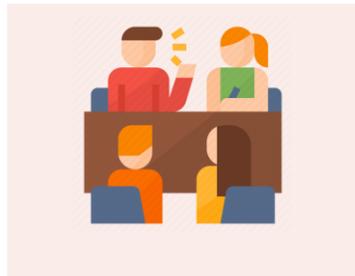
❏ **Career-Boosting Network:**
Connect with fellow professionals in the field, creating valuable relationships that can propel your career in the world of Generative AI

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 in SRE Practitioner 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 in SRE Practitioner with E-Learning

Certified In SRE Practitioner 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

ENROLL NOW

Option-2
Make Your Own Certified in SRE Practitioner Bundle

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

- Certified DevOps Architect
- Certified DevOps Engineer
- Certified DevOps Developer
- Certified DevOps Practitioner
- SRE Foundation Certification

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

BUY ANY

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CERTIFICATIONS

Claim Bundle Here !!!

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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