

# Certified in Blockchain HyperLedger Developer (CBHD)

## 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 Blockchain HyperLedger Developer (CBHD) certification validates expertise in Hyperledger frameworks for enterprise blockchain solutions. It covers Hyperledger Fabric, Indy, Sawtooth, and smart contract development. CBHD-certified professionals can design, develop, and deploy permissioned blockchain networks for industries like finance, supply chain, and healthcare.

The certification ensures knowledge of blockchain architecture, identity management, and consensus mechanisms. Ideal for developers, architects, and blockchain enthusiasts, CBHD boosts career opportunities in the growing enterprise blockchain space.

	<b>Type</b>	Online self-paced learning, Mocks
	<b>Language</b>	English (including subtitles)
	<b>Access</b>	12 months
	<b>AI based Role play</b>	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

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## 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 Blockchain HyperLedger Developer



The GSDC Certified Blockchain HyperLedger Developer (CBHD) certification is a highly desirable credential for individuals aiming to advance their careers in the rapidly evolving world of blockchain technology.

With the growing significance of blockchain in various industries, such as finance, supply chain management, and healthcare, possessing a Blockchain HyperLedger Developer certification demonstrates your proficiency in constructing secure and transparent distributed ledger applications.

By successfully completing the rigorous GSDC certification exam, you showcase your comprehensive understanding of hyper ledger development concepts and your ability to design, develop, and deploy robust blockchain solutions.

Whether you're an experienced developer looking to specialize in blockchain or a newcomer to the field, the Certified Blockchain HyperLedger Developer serves as a solid foundation to explore exciting opportunities in the blockchain industry.

Stay at the forefront of this transformative technology and empower yourself with the GSDC Certified Blockchain HyperLedger Developer (CBHD) certification.

# Learning Objective

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- Gain insights into Hyperledger Fabric v1.1 and its structure
- Hands-on practice writing chain code through comprehensive labs
- Acquire knowledge and practical skills in Bootstrapping the Network
- Develop proficiency in Hyperledger Fabric v1.1 structure
- Gain expertise in Fabric's Security and Membership Services
- Understand Fabric model features: chain code, Security, Membership Services, SDKs, Ledger
- Explore the architecture of Hyperledger Fabric v1.1
- Participate in in-depth labs focusing on Bootstrapping the Network
- Master key features of the Fabric model: chain code, SDKs, Ledger
- Hands-on experience in writing efficient chain code

## OBJECTIVES OF BLOCKCHAIN HYPERLEDGER DEVELOPER

# Curriculum

## 1.Introduction To Blockchain:

- Introduction to Blockchain
- What is Blockchain
- Types of network
- Public network
- Permissioned network
- Private network
- Need for Blockchain Components of Blockchain
- Consensus
- Provenance
- Immutability
- Finality
- Where can Blockchain be used
- Example on Blockchain

## 2.How Blockchain Works:

- How Blockchain Works
- Structure of Blockchain
- Block
- Hash
- Blockchain
- Distributed
- Lifecycle of Blockchain
- Smart Contract
- Consensus Algorithm
- Proof of Work
- Proof of Stake
- Practical Byzantine
- Fault Tolerance
- Actors of Blockchain
- Blockchain developer
- Blockchain operator

- Blockchain regulator
- Blockchain user
- Membership service provider
- Building A Small Blockchain Application

## 3.Introduction To Hyperledger Fabric V1.1:

- Introduction to Hyperledger
- What is Hyperledger
- Why Hyperledger
- Where can Hyperledger be used
- Hyperledger Architecture
- Membership
- Blockchain
- Transaction
- Chaincode
- Hyperledger Fabric
- Features of Hyperledger
- Fabric Installation of pre-requisite

## 4.Getting Started With Fabric Model:

- The Fabric Model
- Features of Fabric Model
- Chaincode
- SDKs
- Ledger
- Privacy through channels
- Security and Membership services
- Assets
- Consensus
- Components of Fabric Model

- Peer
- Orderer
- Certificate Authority
- Building your network

## 5.Chaincode:

- Chaincode
- Chaincode API
- How to write a Chaincode
- Lab Work

## 6.Architecture Of Hyperledger Fabric V1.1:

- Architecture of Hyperledger Fabric
- Transaction
- Ledger
- Nodes
- Peer
- Endorser
- Ordering Nodes
- Channels
- Certificate Authority
- Transaction Flow
- Lab Work

### **7.Bootstrapping:**

- Bootstrapping the Network
- Introduction
- Lab Work
- Task 1 Create the cryptographic content for the different participants.
- Task 2 Create the Orderer node's genesis block to launch the ordering service (solo node).
- To build a new channel, Task 3 generated the configuration transaction block.
- Task 4 Create the new channel and then sign the configuration block.
- Task 5: Invite peers from all organizations to join the channel created

### **8.Introduction To Hyperledger Explorer:**

- Introduction To Hyperledger Explorer
- Block Details Peer List
- Chaincode List
- Transaction Details
- Installation of Hyperledger Explorer
- Starting the Explorer App

### **9.Introduction To Hyperledger Composer:**

- Introduction
- Components of Hyperledger Composer
- Benefits of Hyperledger Composer
- Key Concepts
- Hyperledger Composer Solution
- Installation

### **10.Hyperledger Composer Playground:**

- Hyperledger Composer Playground
- Introduction
- Playground Over

### **11. Tools, Certifications, and Real-World Applications**

- Introduction to Hyperledger Explorer: Blocks, Peers, Chaincodes, and Transactions
- Installing and Running Hyperledger Explorer
- Overview of Hyperledger Composer: Components, Benefits, and Key Concepts
- Hyperledger Composer Playground for Prototyping Business Networks
- Certification Preparation: Certified Hyperledger Fabric Administrator & Developer
- Real-World Case Studies in Supply Chain, Healthcare, and Financial Services
- Capstone Project: Design, Deploy, and Demonstrate a Blockchain Network

# 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

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### **Lifelong Learning Journey:**

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

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### **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 Blockchain HyperLedger Developer 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 Blockchain HyperLedger Developer with E-Learning**

### **Certified In Blockchain HyperLedger Developer 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 in Blockchain HyperLedger Developer Level Bundle

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

- Certified Blockchain For Business Professional
- Certified Data Protection Officer Certification
- Certified Blockchain Ethereum Developer
- Certified Blockchain Architect
- Certified Blockchain Professional

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

**BUY ANY**

**3**

**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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