

Certified Blockchain Architect (CBA)

Global Certification Program

- ✓ Globally lifetime Valid Certification
- ✓ Access to exclusive resources, boot camps, and summits
- ✓ AI based Roleplay & Simulations
- ✓ Two Exam Attempts



An Overview

what you can expect from this program

Forge the future of digital infrastructure as a GSDC Certified Blockchain Architect (CBA)! This cutting-edge certification is your blueprint for mastering blockchain technology.

Prove your prowess in designing and implementing revolutionary blockchain solutions that are reshaping industries worldwide.

As a CBA, you'll be the architect of secure, transparent, and decentralized systems, standing at the forefront of technological innovation. Unleash your potential to develop robust blockchain networks and become a sought-after professional in this transformative field.

Build your legacy as a blockchain visionary with the CBA certification!

	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*	

Introduction

Certified Blockchain Architect (CBA)

In today's rapidly evolving technological landscape, the GSDC Certified Blockchain Architect (CBA) certification stands as a testament to your expertise in the field of blockchain architecture. By passing this certification exam, you demonstrate your wealth of knowledge and practical skills in designing and implementing blockchain solutions.

This certification recognizes the profound importance of blockchain technology, which is revolutionizing industries worldwide by enabling secure and transparent transactions, enhancing trust, and fostering decentralized systems.

As a certified blockchain architect, you possess the ability to develop secure and efficient blockchain networks, positioning yourself as a highly sought-after professional in this transformative field.



Learning Objective

- ❑ Master blockchain architecture fundamentals for innovative solutions.
- ❑ Design and implement secure and scalable blockchain networks.
- ❑ Gain expertise in smart contract development and auditing.
- ❑ Develop skills to integrate blockchain with existing systems.
- ❑ Become proficient in blockchain consensus mechanisms.
- ❑ Understand regulatory and legal considerations in the blockchain.
- ❑ Harness the power of blockchain for business transformation

OBJECTIVES OF BLOCKCHAIN ARCHITECT CERTIFICATION

Curriculum

1. Common use cases for public blockchains

- Open, decentralized networks
- Cryptocurrencies & DeFi applications
- Transparent & immutable records

2. Common use cases for private & permissioned blockchains

- Restricted access control
- Enterprise and supply chain use
- Enhanced data privacy & compliance

3. Consensus algorithms: variety and selection

- Multiple models (PoW, PoS, etc.)
- Trade-offs: security, scalability, energy
- Criteria for choosing the right algorithm

4. What is needed to launch your own blockchain

- Infrastructure & node setup
- Protocol and network configuration
- Smart contract integration

5. Common problems & considerations in public blockchains

- Scalability challenges
- High transaction fees
- Security vulnerabilities (e.g., 51% attacks)

6. Awareness of the tech behind common blockchains

- Cryptography & hashing techniques
- Distributed ledger and P2P networks
- Data integrity (e.g., Merkle trees)

7. When is mining needed and when it is not

- Essential for PoW systems
- High energy and cost implications
- Alternatives with non-mining consensus

8. Security in blockchain

- Cryptographic safeguards
- Threats (e.g., Sybil attacks, smart contract bugs)
- Best practices for network resilience

9. The programming languages of the most common blockchains

- Solidity for Ethereum
- Go, Python, JavaScript, etc.
- Tools for development and debugging

10. Typical deployment & testing procedures

- Node configuration & network setup
- Unit, integration & stress testing
- Automated deployment frameworks

11. When to use blockchain with Hyperledger

- Enterprise-grade, permissioned networks
- Modular, scalable architecture
- Ideal for finance & supply chain use cases

12. When to use blockchain with Ethereum

- Public blockchain with smart contracts
- DApp and DeFi ecosystem
- Considerations: gas fees & scalability

13. Which blockchain platform to choose when

- Comparative analysis of features
- Security, scalability, and cost factors
- Real-world case study insights

14. When to create a Consortium blockchain

- Collaborative, multi-organization networks
- Shared governance & reduced costs
- Enhanced privacy for partners

15. Front ends for blockchain applications

- Integration with smart contracts
- Frameworks like Web3.js & Ethers.js
- Focus on UI/UX for DApp development

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

👍 Useful ↻ Share



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

👍 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, 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



Expert-Led Generative AI: Learn, Connect, Grow



Expert-Led Sessions:

Engage in weekly 2-hour live sessions with industry expert, gaining cutting-edge insights and practical knowledge in Generative AI



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

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

Blockchain Architect (CBA)

Certification

with E-learning

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

- ✓ E-Learning from Industry Experts
- ✓ GSDC Membership
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ Downloadable Resources-Book of Knowledge, Templates

ENROLL NOW

Option-2

Bundle

Create your own bundle with 3 certification program

- ✓ 3 Certification Program
- ✓ Two Exam Attempts
- ✓ Lifetime Valid Certification
- ✓ Learning Library Access
- ✓ Downloadable Resources-Book of Knowledge, Templates
- ✓ GSDC Membership

ENROLL NOW

Option-1 Blockchain Architect (CBA) Certification with E-learning

Blockchain Architect (CBA) Certification 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 Blockchain Architect (CBA) Certification Bundle

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

- Certified Cloud Testing Foundation
- Certified Blockchain Architect
- Certified Ethereum Blockchain Developer
- Certified Blockchain HyperLedger Developer (CBHD)
- Certified Blockchain For Business 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%
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GUARANTEE

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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