



Introduction to Certified Blockchain DeveloperTM

Certified Blockchain Developer™



A Certified Blockchain Developer is a skilled professional who has thorough knowledge of every aspects of development on different Blockchain platforms.

Blockchain Developers specialize in creating and implementing solutions for different Blockchain platforms.

The Purpose



Establish and govern minimum standards for credentialing Blockchain developer who specialize in enterprise development measures.

Inform that credentialled individuals meet or exceed the minimum standards.

Reinforce Blockchain expertise as a unique and self-regulating profession.

For Whom

- Engineering Students
- Programmers & Developers
- Software Engineers & Architects
- Application Architects
- Cryptocurrency Enthusiasts

Benefits of taking this Course

Prove your Blockchain development skills & understandings.

Grasp a deeper understanding of Blockchain & how different types of projects are done on different Blockchain platforms.

Build dApps and other Blockchain applications using different languages.

Requirements for this Certification

Basic knowledge of Blockchain & its use-cases.

Awareness of different Blockchain platforms with some Hands-on experience in development.

Motivation to acquire a profound understanding of different Blockchain platforms.

Recommended Experience



There is no such recommended experience required for getting this certification.

Duration for the Course

15 hours for the entire training.

1 hour for assessment exam.

Training will be online.

Training can be consumed as per candidate's availability & online speed.

Exam



There will be an online exam with multiple choice questions adding upto 100 marks followed by a training.

You need to acquire 60+ marks to clear the exam.

In case you fail the exam, you can retake the exam after 1 day.

You can take the exam for a maximum of 3 times.

If you fail to acquire 60+ marks even after 3 attempts, you will need to contact the Blockchain Council team to have manual assistance for clearing the exam.

Certificate



Course Content

Module 1: Introduction to Certified Blockchain Developer

Module 2: Blockchain

- Fundamentals of Blockchain
- Blockchain Ecosystem
- Mining concept in Blockchain

Module 3: Ethereum

- Ethereum Overview
- Ethereum Tokens
- Prerequisites & Installation
- Project 1: Developing Your First Decentralized Application with Ethereum
- Project 2: Developing advance Smart Contract using Solidity
- Project 3: Crowdfunding

Course Content

Module 4: InterPlanetary File System (IPFS)

- Fundamentals of IPFS
- Installing IPFS
- Running IPFS
- Operations on IPFS

Module 5: Hyperledger

- Understanding Hyperledger Fabric
- Getting Started with Hyperledger Architecture
- Setting-up the Prerequisites
- Git Repository- Source Code- Download
- Create Basic Hyperledger Fabric Network
- Add New Org in Existing Network
- Add New Org in Consortium (System Channel)
- Add New RAFT Orderer in Existing Network

Course Content

Module 6: Solidity Smart Contract on Hyperledger Fabric

- Understanding the Concept
- A Step ahead

Module 7: R3 Corda

- What is Corda?
- Data Structure of Corda
- Corda Key Concepts
- Corda Architecture
- Setting up the Environment
- Project 1 - Tesla CordApp
- Project 2 - Building another CordApp