# Certified Blockchain Developer Training

Duration: **12 Day**

BİLGİNÇ IT Academy
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## Overview

CBD is exhaustive training, an exam-based program aiming to impart in-depth practical knowledge in Blockchain technology. As demand for Blockchain Developer is soaring, this certification will prove to be your competitive advantage giving enterprises confidence in the quick hire.

### CERTIFICATION BENEFITS

- Build your own Blockchain businesses with acquired knowledge.
- Learn Solidity language & Multiple Technology-based developments.
- Prove your Blockchain skills & understanding
- Grasp the in-depth understanding of Blockchain, Smart Contracts & how it works
- Implement your skills to any Blockchain projects

### What does Blockchain Developers do?

- Blockchain Developers specialize in creating and implementing technical solutions for organizations with a Blockchain Technology.

## What You Will Learn

By attending to the Certified Blockchain Developer course, you'll understand the Blockchain technology profoundly and can build Blockchain-based applications for businesses.

## Outline

- Blockchain
  - What is Blockchain ?
  - How Blockchain is different from Traditional Technologies?
  - Consensus: How Conflicts are Resolved?
  - Public vs Private Blockchain
  - Frequently Used Terms in Blockchain
- Ethereum
  - What is Ethereum ?
  - What is Ethereum Virtual Machine ?
  - What is Solidity ?
  - What are Smart contracts ?
  - How do Smart Contract Work ?
  - What is Initial Coin Offering(ICO) ?
  - How does ICO work ?
  - DAO( Decentralized Autonomous Organization) & The DAO – What are they?
  - Setting up Security groups & Ubuntu Servers
  - Installing Geth Client & Configuring Ethereum Nodes

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    - Enable Mining and checking balance in Ether
    - Setting up Metamask and Testing Fund Transfer
    - Crypto Token – Executing Minimal Viable Token
    - Adding Parameters to Cryptocurrency
    - Adding Balance Checks Before Transfer
    - Adding Transfer Event for Logging
    - Adding Transfer on-Behalf Function
    - Executing MyToken Stage 2
    - Improving Crypto Token – Adding Admin
    - Allowing Admin to Mint New Coins
    - Allowing Admin to Freeze or Unfreeze the Tokens
    - Adding Automatic Buy & Sell feature
    - Testing Full & Final Crypto Token
- Hyperledger
    - What is Hyperledger ?
    - What is Hyperledger Fabric ?
    - Comparison between Fabric & Other Technologies
    - Hyperledger Fabric Architecture
    - Components of Hyperledger Fabric
    - Advantages of Hyperledger Fabric Blockchain
    - How does Hyperledger Fabric Work ?
    - Installing Hyperledger Fabric V1.4
    - Building Your First Network
    - Hyperledger Fabric Demo
- Steller
    - What is Stellar?
    - Stellar Network Overview
    - Stellar Assets
    - Stellar Distributed Exchanges
    - Stellar Operations
    - Stellar Use Cases
    - Using Stellar Blockchain
- Corda
    - What is Corda ?
    - Data Structure of Corda
    - Corda Key Concepts
    - Corda Architecture
    - Corda – Setting up the Environment
    - Building the Corda Network
- Certified Blockchain Developer Exam
    - There will be an online training followed by a multiple choice exam of 100 marks.
    - You need to acquire 60+ marks to clear the exam.
    - If you fail, you can retake the exam after one day.
    - You can take the exam no more than 3 times.
    - If you fail to acquire 60+ marks even after three attempts, then you need to contact us to get assistance for clearing the exam