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