Certified Blockchain Expert Training

Duration: **6 Day**

BİLGİNÇ IT Academy
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Overview

Blockchain Council offers instructor-led training for those individuals who are unable to undertake classroom learning sessions. We conduct online training using state-of-the-art techniques to ensure the best immersive learning experience. Participants can interact and communicate with the instructor, have constructive conversations at their own pace and comfort, without losing out on the flavor of classroom learning.

What does a Blockchain Expert do?

- Blockchain experts possess a thorough knowledge of Blockchain-based systems and have the ability to innovate and implement new business models. They work closely with product teams to design and build Blockchain-based applications for enterprises and businesses.

The Growth Curve ahead:

- This Instructor-led training will definitely help you in carving a new and better career curve ahead. You can be a:
- Blockchain Architect
- Blockchain Project Managers
- Blockchain Consultant

Domains Blockchain experts work in:

- Retail
- E-Commerce
- Banks
- Telecom
- FMCG
- Manufacturing
- Other domains

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What You Will Learn

- Lifetime access to all of the course resources, including lecture videos, practice sets, and capstone projects
- Blockchain Council Certification
- Access to Blockchain Council's vibrant community of Blockchain enthusiasts from around the world for collaborating on future projects
- Access to industry leaders in the Blockchain domain for 24/7 query resolution support

CERTIFICATION BENEFITS

- Prove your Blockchain skills and understanding of the acquired knowledge
- Gain in-depth understanding of Blockchain and its implementation
- Implement your skills in any Blockchain applications
- Build your own Blockchain enterprise with acquired knowledge

Outline

- Introduction to Course
- Origin of Blockchain Technology
- Introduction to Blockchain
  - What is Blockchain?
  - Why is Blockchain a Distributed, P2P Network?
  - Blockchain Vs Cryptocurrency
  - Types of Blockchain
  - What Are different Blockchain Technologies?
  - Benefits of using Blockchain Technology
- Tokenize Everything
  - Tokens on Ethereum Platform
  - Ethereum Token Standards
- Blockchain Ecosystem
  - Merkle Tree and Hashing
  - Blocks, Wallets and Addresses
  - Public and Private Key
  - Cryptography and Cryptographic Algorithms
  - Transaction Execution and Distribution
  - Components of Blockchain Ecosystem
  - Blockchain Architecture
- Blockchain Mining
  - What is Blockchain Mining?
  - Types of Mining
  - Who are Miners?
- Transactions UTXO Vs Account Model
  - Transactions UTXO Vs Account Model
- Security and Privacy
  - What are Smart Contracts?
  - What is Consensus?
  - Types of Consensus Algorithms

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- Other Consensus Mechanisms in Blockchain
  - Proof-Of-Capacity(PoC) & Proof-of Activity(PoA)
  - Proof-of-Burn(PoB) & Proof-of-Weight(PoWeight)
  - Leased Proof-of-Stake(LPOS)
- Blockchain Solutions - Steps and measures
  - Blockchain Solutions – Steps and measures
- Use-Cases of Blockchain
  - Blockchain use cases in Financial Sector
  - Blockchain use cases in Business Sector
  - Blockchain use cases in Government & Public Sector
  - Blockchain use cases in other Industries
- Other Use-Cases of Blockchain
  - Blockchain in IoT
  - Blockchain in CBDC
  - Blockchain in Retail Fashion & Luxury
  - Blockchain in sports and E-sports
  - Blockchain in Legal Industry
  - DeFi Use Cases in Blockchain Part 1
  - DeFi Use Cases in Blockchain Part 2
- Additional Resource
  - DAGs
- Certified Blockchain Expert™ 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