Building Smart Contracts and Decentralized Applications with Ethereum Blockchain – Level 2

Duration: 2 Days

DESCRIPTION

Ethereum is an open software platform based on Blockchain technology that enables developers to build and deploy Smart Contracts and Decentralized Applications. Unlike Bitcoin which is a peer to peer cryptocurrency transaction system, Ethereum can be used to create any suitable solution / application on Blockchain platform.

OBJECTIVES

- To achieve in depth understanding of Ethereum Blockchain platform

- To learn and deploy Solidity Language, Smart Contracts & Decentralized Applications

COURSE OUTLINE

Day 1

Introduction to Ethereum
- Structure of Ethereum
- Decentralized Applications
- Smart Contracts
- Ethereum Ecosystem
- Setting up Private Ethereum Environment

Learning Solidity
- Contract Classes
- Functions / Conditions
- Inheritance & Abstract Control
- Libraries
- Types and Optimizations
- Global Variables
- Debugging

Day 2

Designing Blockchain Solutions on Ethereum
- Stages of Contract Development
- Developing Smart Contract
- Compile, Deploy and Instantiate Contract
- Deploy Contract on Web and Console
- Working with go-Ethereum Client
- Interacting with the Contract

Deep Dive into Decentralized Applications
- DApp Architecture
- Anatomy of Dapp
- Developing & Deploying Dapp

WHO SHOULD ATTEND

- Professionals working in various industries who want to formally start working with Blockchain on the most popular open source platform Ethereum

- Developers

- Blockchain / Technology Enthusiast

PREREQUISITES

- Should have attended Fundamentals of Blockchain – Level 1 course offered by CloudThat or should have equivalent knowledge

- Preferably should have some software / web development experience

- Should have strong learning acumen

TRAINING CALENDAR

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- Usha (Sr. Infrastructure Analyst, Sapient Consulting

It is very professional and hands-on training. The trainer is extremely responsive and knowledgeable on the topics covered. I would recommend CloudThat to anyone who is looking for quality, hands-on training on these latest technologies.
- Srinivasa (Associate Professor, PES University)

CloudThat - The best place to learn Cloud Computing technologies. Trainers at CloudThat have indepth knowledge about the subject. The way they explain is too good. They give personal attention to all candidates and keep the sessions interactive.
- Gladwin (Cloud Admin, Cognizant)

For training inquiry, please email us at: sales@cloudthat.in

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