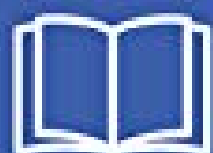


Fatima Castiglione Maldonado

Introduction to Blockchain and Ethereum

Use distributed ledgers to validate digital transactions in a decentralized and trustless manner



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Build distributed applications that resolve data ownership issues when working with transactions between multiple parties
Key Features
Explore an ideal balance between theories and hands-on activities
Discover well-known Blockchain use cases such as for example Bitcoin
Create your first wise contract in Solidity for Ethereum
Book Description
Blockchain applications provide a single-shared ledger to remove trust issues involving multiple stakeholders. With the help of Launch to Blockchain and Ethereum, you'll learn to produce distributed Blockchain applications which do not rely on a central server or datacenter. The training course starts by explaining Bitcoin, Altcoins, and Ethereum, followed by acquiring you through distributed programming using the Solidity language on the Ethereum Blockchain. Prior exposure to an object-oriented programming language such as JavaScript is necessary, as you'll cover the basics before getting right to work.
Table of Contents
Ethereum Blockchain
Smart Contracts and Solidity Language
Distributed Applications
By the end of this course, you'll be able to write, compile, and deploy your own smart agreements to the Ethereum Blockchain.
What you will learn
Grasp Blockchain principles such as private and open public keys, addresses, wallets, and hashes
Send and analyze transactions in the Ethereum Rinkeby check network
Compile and deploy your own ERC20-compliant smart agreements and tokens
Test your smart contracts using MyEtherWallet
Create a distributed web interface for your contract
Combine Solidity and JavaScript to create your own decentralized application
Who this book is for
Introduction to Blockchain and Ethereum is fantastic for you if you would like to get to grips with Blockchain technology and develop your own distributed applications with smart contracts written in Solidity.



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