Mastering Blockchain

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Key Features

- Get to grips with the underlying technical principles and implementations of blockchain.
- Using Ethereum, build powerful applications that enable you to carry out secure transactions and create smart contracts.
- Explore cryptography, mine crytocurrencies and solve scalability issues with this comprehensive guide.

Book Description

Blockchain is a distributed database that allows storage of data, keeping it permanent, transparent and secure. Blockchain technology is the backbone of cryptocurrency like bitcoin and is finding usage in fields like finance, government and arts.

Blockhchain technology uses cryptography as means to keep the data secure. This book gives detailed description of this booming technology, explains its implementation in the real world.

This book begins with explaining the technical foundations of blockchain, after which you will understand cryptography, and how it keeps the data secure. You will further understand the mechanism behind cryptocurrencies and learn application development using decentralized virtual machine – Ethereum. You get to explore different blockchain solutions and also an upcoming blockchain solution from IBM and Linux foundation named Hyperledger. Understand implementation of blockchain beyond currencies, scability with blockchain and the future scope of this amazing technology.

What you will learn

- Understand the theoretical and technical foundations of blockchain.
- Learn how cryptography is used to secure data.
- Understand Bitcoin and altcoins using blockchain.
- Create application using ethereum.
- Get to know applications of blockchain outside of currencies.
- Dive into alternate blockchain solutions including Hyperledger.
- Explore research topics and future scope of blockchain.

About the Author

Imran Bashir has a M.Sc. in Information Security from Royal Holloway, University of London with a background in network administration, software development, solution architecture and IT service management. He has worked in public and financial sector for over 16 years. He is currently working for Societe generale investment bank in London as Vice President in ITEC (technology) department.

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