Mastering Blockchain: A deep dive into distributed ledgers, consensus protocols, smart contracts, DApps, cryptocurrencies, Ethereum, and more, 3rd Edition By Imran Bashir

Develop a deep understanding of the theoretical foundations of blockchain technology and learn how to write smart contracts and build decentralized applicationsKey FeaturesUpdated with four new chapters on consensus algorithms Ethereum 20 tokenization and enterprise blockchainsDive deep into foundational pillars of blockchain technology such as decentralization cryptography and consensus protocolsGet to grips with Solidity Web3 cryptocurrencies smart contract development and solve scalability security and privacy issuesDiscover the architecture of different distributed ledger platforms including Ethereum Bitcoin Hyperledger Fabric Hyperledger Sawtooth Corda and uorumBook DescriptionBlockchain technology is the backbone of cryptocurrencies and it has applications in finance government media and many other industries With a legacy of providing technologists with executable insights the third edition of Mastering Blockchain is thoroughly revised and updated with the latest blockchain research including four new chapters on consensus algorithms Serenity Ethereum 20 tokenization and enterprise blockchains Apart from covering the basics including blockchains technical underpinnings cryptography and consensus protocols this book provides you with expert knowledge on decentralization decentralized application development on Ethereum Bitcoin alternative coins smart contracts alternative blockchains and Hyperledger Further you will explore how to implement blockchain solutions beyond cryptocurrencies such as the Internet of Things with blockchain blockchain scalability enterprise blockchains and tokenization using blockchain and the future scope of this fascinating and disruptive technology By the end of this book you will have gained a thorough understanding of the various facets of blockchain technology and be comfortable applying them to diverse real world scenariosWhat you will learnGrasp the mechanisms behind Bitcoin Ethereum and alternative cryptocurrenciesUnderstand cryptography and its usage in blockchain technologyUnderstand the theoretical foundations of smart contractsDevelop decentralized applications using Solidity Remix Truffle Ganache and DrizzleIdentify and examine applications of blockchain beyond cryptocurrenciesUnderstand the architecture and development of Ethereum 20Explore research topics and the future scope of blockchain technologyWho this book is forIf you are a technologist business executive a student or an enthusiast who wishes to explore the fascinating world of blockchain technology smart contracts decentralized applications and distributed systems then this book is for you Basic familiarity with a beginner level command of a programming language would be a plus Table of ContentsBlockchain 101DecentralizationSymmetric CryptographyPublic Key CryptographyConsensus AlgorithmsIntroducing BitcoinThe Bitcoin Network and PaymentsBitcoin Clients and APIsAlternative CoinsSmart ContractsEthereum 101Further EthereumEthereum Development EnvironmentDevelopment Tools and FrameworksIntroducing Web3SerenityHyperledgerTokenizationBlockchain Outside of CurrenciesEnterprise BlockchainScalability and Other ChallengesCurrent Landscape and Whats NextDevelop a deep understanding of the theoretical foundations of blockchain technology and learn how to write smart contracts and build decentralized applicationsKey FeaturesUpdated with four new chapters on consensus algorithms.

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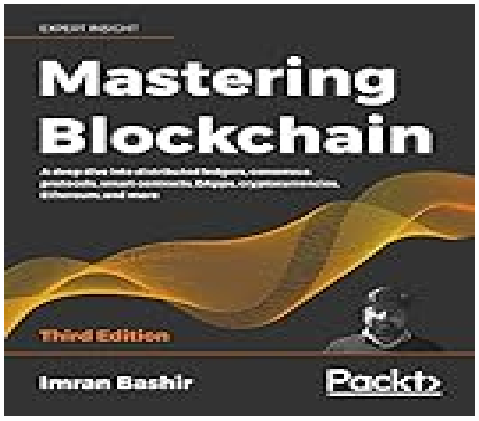
Ethereum 2. 0 tokenization and enterprise blockchainsDive deep into foundational pillars of blockchain technology such as decentralization cryptography and consensus protocolsGet to grips with Solidity Web3 cryptocurrencies smart contract development and solve scalability security and privacy issuesDiscover the architecture of different distributed ledger platforms including Ethereum Bitcoin Hyperledger Fabric Hyperledger Sawtooth Corda and QuorumBook DescriptionBlockchain technology is the backbone of cryptocurrencies and it has applications in finance government media and many other industries. With a legacy of providing technologists with executable insights the third edition of Mastering Blockchain is thoroughly revised and updated with the latest blockchain research including four new chapters on consensus algorithms Serenity (Ethereum 2. Apart from covering the basics including blockchain's technical underpinnings cryptography and consensus protocols this book provides you with expert knowledge on decentralization decentralized application development on Ethereum Bitcoin alternative coins smart contracts alternative blockchains and Hyperledger. Furthermore you will explore how to implement blockchain solutions beyond cryptocurrencies such as the Internet of Things with blockchain blockchain scalability enterprise blockchains and tokenization using blockchain and the future scope of this fascinating and disruptive technology. What you will learnGrasp the mechanisms behind Bitcoin Ethereum and alternative cryptocurrenciesUnderstand cryptography and its usage in blockchain technologyUnderstand the theoretical foundations of smart contractsDevelop decentralized applications using Solidity Remix Truffle Ganache and DrizzleIdentify and examine applications of blockchain beyond cryptocurrenciesUnderstand the architecture and development of Ethereum 2. 0Explore research topics and the future scope of blockchain technologyWho this book is forIf you are a technologist business executive a student or an enthusiast who wishes to explore the fascinating world of blockchain technology smart contracts Ethereum 2. 0 tokenization and enterprise blockchainsDive deep into foundational pillars of blockchain technology such as decentralization cryptography and consensus protocolsGet to grips with Solidity Web3 cryptocurrencies smart contract development and solve scalability security and privacy issuesDiscover the architecture of different distributed ledger platforms including Ethereum Bitcoin Hyperledger Fabric Hyperledger Sawtooth Corda and QuorumBook DescriptionBlockchain technology is the backbone of cryptocurrencies and it has applications in finance government media and many other industries. With a legacy of providing technologists with executable insights the third edition of Mastering Blockchain is thoroughly revised and updated with the latest blockchain research including four new chapters on consensus algorithms Serenity (Ethereum 2. Apart from covering the basics including blockchain's technical underpinnings cryptography and consensus protocols this book provides you with expert knowledge on decentralization decentralized application development on Ethereum Bitcoin alternative coins smart contracts alternative blockchains and Hyperledger. Furthermore you will explore how to implement blockchain solutions beyond cryptocurrencies such as the Internet of Things with blockchain blockchain scalability enterprise blockchains and tokenization using blockchain and the future scope of this fascinating and disruptive technology. What you will learnGrasp the mechanisms behind Bitcoin Ethereum and alternative cryptocurrenciesUnderstand cryptography and its usage in blockchain technologyUnderstand the theoretical foundations of smart

contractsDevelop decentralized applications using Solidity Remix Truffle Ganache and DrizzleIdentify and examine applications of blockchain beyond cryptocurrenciesUnderstand the architecture and development of Ethereum 2. 0Explore research topics and the future scope of blockchain technologyWho this book is forIf you are a technologist business executive a student or an enthusiast who wishes to explore the fascinating world of blockchain technology smart contracts consensus protocols smart contracts DApps cryptocurrencies Ethereum and more 3rd EditionI highly recommend it. Mastering Blockchain: A deep dive into distributed ledgers consensus protocols smart contracts DApps cryptocurrencies Ethereum and more 3rd Edition I can only comment on the first two chapters because I can't bear to read any further. This was achieved by repeating sentences multiple times within the same paragraph continually referring back to what was just covered and what is coming up repeating the same information and repeatedly referring to the same examples. I might keep it for a bit to see if it has any value as a reference but ultimately as I have no need for solid fuel probably the best place for it is the recycling bin. Mastering Blockchain: A deep dive into distributed ledgers consensus protocols smart contracts DApps cryptocurrencies Ethereum and more 3rd Edition This books seems like a bunch of unedited notes (lots of good content it should just have been edited with a critical view): * unexplained acronyms and generally messy structure of text and figures * same stuff is usually repeated two three times (but often with inconsistent naming/notation) * vital concepts are not explained in depth: Merkle tree data structure is e. Mastering Blockchain: A deep dive into distributed ledgers consensus protocols smart contracts DApps cryptocurrencies Ethereum and more 3rd Edition Un tour de force attraverso la tecnologia blockchain le criptovalute e gli smart contract strumenti e piattaforme. Mastering Blockchain: A deep dive into distributed ledgers consensus protocols smart contracts DApps cryptocurrencies Ethereum and more 3rd Edition The material on blockchain is well researched offering a wealth of additional references, Basic familiarity with a beginner-level command of a programming language would be a plus, Basic familiarity with a beginner-level command of a programming language would be a plus, By the end of this book you will have gained a thorough understanding of the various facets of blockchain technology and be comfortable applying them to diverse real-world scenarios: By the end of this book you will have gained a thorough understanding of the various facets of blockchain technology and be comfortable applying them to diverse real-world scenarios: Supposedly there were 5 editors for this book and I can only imagine that each one of them assumed the other 4 were doing the job. It gives the impression that a target weight in kilos was set for the book at the outset and the author was tasked with amassing the required number of words. This desperately needs editing to remove all the duplication and waffle. It is as if there was a long laundry list of terms that had to be defined regardless of their relevance or overlap, It would be much helpful if he focused on the key concepts and left the many different terms in use for a glossary or appendix: It needs to focus first on the core concepts working through a real example and push the ancillary stuff back. There's also too much hand wavy and that's solved by blockchain rhetoric without any kind of explanation how. There may be some useful information in this book but I don't have the time or willpower to find it, introduced but is is never explained how it can be used to assert a transaction is part of the block by only knowing a few hashes: This is a recurring problem in the book also for advanced concepts and ideas which basically makes the book somewhat useless for the purpose of learning blockchain technology, Va nel dettaglio quanto necessario per chi ambisce a contribuire allo sviluppo della piattaforma (core blockchain) o allo sviluppo di applicazioni distribuite. Livello di dettaglio decisamente eccessivo per chi vuole solo una panoramica dell'argomento (che puo' essere meglio servito da video su YouTube), The scope is very wide but depth of the material makes this a big read but worthwhile whether or not you are familiar with the area or not, Mastering Blockchain: A deep dive into distributed ledgers consensus protocols smart contracts DApps cryptocurrencies Ethereum and more 3rd Edition



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.0) tokenization and enterprise blockchains.0) tokenization and enterprise blockchains. Great coverage. Also the kindle edition works absolutely fine.In addition to the repetition there is also confusion. The author really struggles to define his terminology.The whole organisation of the book is poor.g. Chiaro e bene illustrato