
Ethereum Tokens Smart Contracts Notes On Getting Started

The Blockchain Developer
Ethereum Projects for Beginners
Absolute Essentials of Ethereum
Computer Security
Mastering Blockchain Programming with Solidity
Security Tokens and Stablecoins Quick Start
Guide
The Fintech Disruption
Building Full Stack DeFi Applications
6G and Onward to Next G
Mastering Blockchain
Architecting Enterprise Blockchain Solutions
Introducing Ethereum and Solidity
Blockchain - ICBC 2022
Blockchain for Business
Mastering Blockchain
Financial Risk Management for Cryptocurrencies
Ethereum For Dummies
Mastering Ethereum
The Emerald Handbook of Blockchain for Business
Hands-On Smart Contract Development with
Solidity and Ethereum

The Cryptopians
Mastering Ethereum
Mastering Blockchain
The Cambridge Handbook of Smart Contracts,
Blockchain Technology and Digital Platforms
Blockchains
Ethereum Cookbook
Beginning Ethereum Smart Contracts
Programming
Blockchain Quick Reference
Blockchain-based financing with Initial Coin
Offerings (ICOs)
Handbook on Blockchain
Blockchain Democracy
Hands-On Blockchain for Python Developers
Ethereum Smart Contract Development in Solidity
Hands-On Smart Contract Development with
Hyperledger Fabric V2
Blockchain and Crypto Currency
Intellectual Property Law and the Fourth
Industrial Revolution
Blockchain and the Law
Blockchains, Smart Contracts, Decentralised
Autonomous Organisations and the Law
The Currency Revolution

*Ethereum
Tokens
Smart
Contracts
Notes On
Getting
Started*

*Downloaded
from
business.itu.edu
by guest*

ONEILL MARIANA

The Blockchain
Developer Packt
Publishing Ltd
The growth of

Blockchain technology presents a number of legal questions for lawyers, regulators and industry participants alike. Primarily, regulators must allow Blockchain technology to develop whilst also ensuring it is not being abused. This book addresses the challenges posed by various applications of Blockchain technology, such as cryptocurrencies, smart contracts and initial coin offerings, across different fields of law. Contributors explore whether the problems posed by Blockchain and its applications can be addressed within the present legal system or whether significant rethinking is required. [Ethereum Projects for Beginners](#) Kluwer Law International B.V.

Use this book to write an Ethereum Blockchain Smart Contract, test it, deploy it, and create a web application to interact with your smart contract. [Beginning Ethereum Smart Contracts Programming](#) is your fastest and most efficient means of getting started if you are unsure where to begin and how to connect to the Ethereum Blockchain. The book begins with a foundational discussion of blockchain and the motivation behind it. From there, you will get up close and personal with the Ethereum Blockchain, learning how to use an Ethereum client (geth) to connect to the Ethereum Blockchain to perform transactions such as sending Ethers

to another account. You will learn about smart contracts without having to wade through tons of documentation. Author Lee's "learn-by-doing" approach will allow you to be productive and feel confident in your ability in no time. The last part of this book covers tokens, a topic that has taken the cryptocurrency market by storm. Sample code in Python, Solidity, and JavaScript is provided in the book and online.

What You'll Learn

Understand the basic premise of blockchain and "record keeping" in a peer-to-peer network

Experience blockchain in action by creating your own blockchain using Python

Know the foundation of smart contracts programming and how to deploy and

test smart contracts

Work on a case study to illustrate the use of blockchain

Be familiar with tokens, and how to create and launch your own ICO digital token

Write smart contracts that transact using tokens

Who This Book Is For

Those who want to get started quickly with Ethereum Smart Contracts programming. Basic programming knowledge and an understanding of Python or JavaScript is recommended.

Absolute Essentials of Ethereum

Taylor & Francis

Dive into a secure future

Professionals look to Ethereum as a blockchain-based platform to develop safe applications and conduct secure transactions. It takes a knowledgeable guiding

hand to understand how Ethereum works and what it does — and Ethereum For Dummies provides that guidance. Written by one of the leading voices in the blockchain community and best selling author of Blockchain For Dummies, this book demystifies the workings of Ethereum and shows how it can enhance security, transactions, and investments. As an emerging application of blockchain technology, Ethereum attracts a wide swath of professionals ranging from financial pros who see it as a way to enhance their business, security analysts who want to conduct secure transactions, programmers who build apps that employ

the Ethereum blockchain, or investors interested in cashing in on the rise of cryptocurrency. Ethereum For Dummies offers a starting point to all members of this audience as it provides easy-to-understand explanation of the tools and techniques of using Ethereum. Understand the fundamentals of Ethereum Build smart contracts Create decentralized applications Examine public and private chains If you need to get a grip on one of the biggest applications of blockchain technology, this book makes it easier. Computer Security John Wiley & Sons Not since the publication of The Wealth of Nations in

1776 has there been such an important and historically-significant book written as *The Currency Revolution* by Daniel Mark Harrison. In *The Currency Revolution*, Harrison analyses currencies in fiat and digital form alike, proposing radical yet sound new economic theories in the process that will have us redefine the way that trade and tender is carried out today. *The Currency Revolution* is the only ever book to cover the rise of the digital asset movement and Blockchain technology as an avant-garde economic event of its own. Drawing on countless data references, hypothesising new economic theories for a contemporary, connected world,

Daniel Mark Harrison lifts the lid on the explosion of value that is going on under the surface of our economy today, and points to where it will lead us in the future. *The Currency Revolution* is nothing short of a brand new, controversial must-read for technologists and economists alike.

**Mastering
Blockchain
Programming with
Solidity** Lulu.com

The great and fastening strides of the Fintech revolution continuously transform once-static traditional financial industry and provision of credit in particular. Blockchain innovation has led to creation of new industry of raising funds without the need for financial intermediaries such as

venture capital or banks. In this book we build up a holistic picture of the token sales or initial coin offerings (ICOs) from their inception in 2013 to our days. We analyze the initial phases of the industry's development, collecting information on all campaigns or ICO attempts in this period, providing a thorough quantitative analysis of the phenomenon. We also provide a detailed account of token sales mechanics and overview all the main actors in this new ecosystem of blockchain-based financing. By leveraging the open data on token sales contributions, we study the behavior of token sales investors and find

out that recurrent investors do not succeed in selecting better ICO projects but bigger investors do. In the last part of the book, we study crypto tokens as investments and overview their functionality and risks involved, as well as look at the alternative methods of creating and distributing tokens and compare them to token sales.

Security Tokens and Stablecoins Quick Start Guide Cambridge

University Press

This book constitutes the proceedings of the 5th International Conference on Blockchain, ICBC 2022, held as part of the Services Conference Federation, SCF 2022, held in Honolulu, HI, USA, in December 2022. The 8 full papers and 1 short paper

presented in this volume were carefully reviewed and selected from 22 submissions. The International Conference on Blockchain (ICBC) aims to provide an international forum for both researchers and industry practitioners to exchange the latest fundamental advances in the state-of-the-art technologies and best practices of blockchain, as well as emerging standards and research topics which would define the future of blockchain.

The Fintech Disruption O'Reilly Media

Learn how to use Solidity and the Ethereum project – second only to Bitcoin in market capitalization. Blockchain protocols are taking the world by

storm, and the Ethereum project, with its Turing-complete scripting language Solidity, has rapidly become a front-runner. This book presents the blockchain phenomenon in context; then situates Ethereum in a world pioneered by Bitcoin. See why professionals and non-professionals alike are honing their skills in smart contract patterns and distributed application development. You'll review the fundamentals of programming and networking, alongside its introduction to the new discipline of crypto-economics. You'll then deploy smart contracts of your own, and learn how they can serve as a back-end for JavaScript and HTML applications

on the Web. Many Solidity tutorials out there today have the same flaw: they are written for “advanced” JavaScript developers who want to transfer their skills to a blockchain environment. Introducing Ethereum and Solidity is accessible to technology professionals and enthusiasts of all levels. You’ll find exciting sample code that can move forward real world assets in both the academic and the corporate arenas. Find out now why this book is a powerful gateway for creative technologists of all types, from concept to deployment. What You’ll Learn See how Ethereum (and other cryptocurrencies) work Compare distributed

apps (dapps) to web apps Write Ethereum smart contracts in Solidity Connect Ethereum smart contracts to your HTML/CSS/JavaScript web applications Deploy your own dapp, coin, and blockchain Work with basic and intermediate smart contracts Who This Book Is For Anyone who is curious about Ethereum or has some familiarity with computer science Product managers, CTOs, and experienced JavaScript programmers Experts will find the advanced sample projects in this book rewarding because of the power of Solidity [Building Full Stack DeFi Applications](#) Springer Nature The general consensus is that BlockChain is

the next disruptive technology, and Ethereum is the flagship product of BlockChain 2.0. However, coding and implementing business logic in a decentralized and transparent environment is fundamentally different from traditional programming and is emerging as a major challenge for developers. This book introduces readers to the Solidity language from scratch, together with case studies and examples. It also covers advanced topics and explains the working mechanism of smart contracts in depth. Further, it includes relevant examples that shed new light on the forefront of Solidity programming. In short, it equips readers with

essential practical skills, allowing them to quickly catch up and start using Solidity programming. To gain the most from the book, readers should have already learned at least one object-oriented programming language

6G and Onward to Next G O'Reilly Media

This book weaves emerging themes in future 6G and Next G networks carefully together. It points to three spheres of contexts with different narratives for the year 2030 and beyond, in which the coming Metaverse as the precursor of the future Multiverse can be embedded naturally. The book aims at providing the reader with new cross-disciplinary research material, ranging from

communication and computer science to cognitive science, social sciences, and behavioral economics, for building a deeper Metaverse. It will be instrumental in helping the reader find and overcome some of the most common 6G and Next G blind spots. Modern networks are more than communication and computer science. They may be better viewed as techno-social systems that exhibit complex adaptive system behavior and resemble biological superorganisms. 6G and especially Next G should go beyond continuing the linear incremental 6G=5G+1G mindset of past generations of mobile networks. To this end, the book:

Helps readers inquire into new areas of knowledge or understanding that they didn't have or didn't pay attention to find their 6G/Next G blind spots Highlights the unique potential benefits of the virtual world for society in that it provides a useful extension of the real-world economy by compensating for its well-known market failures, e.g., rising income inequality Provides a comprehensive description of the original Metaverse vision and highlights the different Metaverse components, applications, open research challenges, and early Metaverse deployment examples from both industry and academia Describes how the Multiverse

goes beyond the Metaverse origins and explores the importance of experience innovation since experiences play a central role in the Metaverse Explains Web3 and the emerging field of token engineering and tokenization, i.e., the process of creating tokenized digital twins via programmable tokens, which are viewed as the killer application of Web3 networks for creating technology-enabled social organisms and restoring tech-driven common goods Reviews anticipated 6G paradigm shifts and elaborates on the difference between 6G and Next G research, including Next G Alliance's audacious goals and their symbiotic relationship

between technology and a population's societal and economic needs Doubles down on the mutually beneficial symbiosis between digitalization and biologization for our possible evolution into future metahumans with infinite capabilities by making us smarter and creating a fundamentally new form of sociality in the Metaverse and Multiverse as well as the future stigmergy enhanced Society 5.0 by leveraging on time-tested self-organization mechanisms borrowed from nature Presents a variety of different concepts of the true nature of reality that bring us closer to the original Metaverse vision and explains how 6G, Next G, and the Metaverse may

eventually pave the way to the peak-experience machine that democratizes access to the upper range of human experiences Touches on the possible transition from communication to services beyond communication, most notably the cross-cultural phenomenon of *communitas* in anthropology and its increasing degrees of perceived connectedness with others, the world, and oneself, given the importance of creating a deep sense of community in the Metaverse Written for students, network researchers, professionals, engineers, and practitioners, 6G and Onward to Next G: The Road to the Multiverse

explores the latest Internet developments, with a particular focus on 6G and Next G networks in the context of the emerging Metaverse and future Multiverse as the successors of today's mobile Internet that has defined the last two decades.

Mastering Blockchain
O'Reilly Media

This book discusses the up-and-coming blockchain technology in a structured way from the conceptual, technological, and business perspectives, thereby providing the integrated insight that is essential for truly understanding blockchain applications and their impact. While most people may know about blockchain from Bitcoin and news about its price in the financial markets, blockchain is

a technology that increasingly permeates the way in which modern businesses operate. However, its dynamics and functioning remain obscure for most people. This book gives readers the tools to understand the full extent to which blockchain technology is or can be used in business. First, the book focuses on the functioning of blockchain systems, introducing basic concepts such as transactions, consensus mechanisms, and smart contracts, as well as giving a smooth introduction to the basic features of cryptography that underpin blockchain technology, e.g., digital signatures and hashing. Then, the

book focuses on specific blockchain platforms (Bitcoin, Ethereum, private blockchain platforms) currently used for the implementation of cryptocurrencies and other blockchain systems. Finally, it introduces a set of tools to understand and analyze the suitability of blockchain technology in different business scenarios from the business model, and business operation perspectives. Examples and case studies of blockchain applications currently in production are discussed extensively across the book. This book targets students and educators with an interest in blockchain technology providing a one-stop shop to obtain a deep and complete insight in

blockchain technology and its applicability in different business scenarios. The textbook is designed primarily for third and fourth year undergraduate students in industrial engineering, business and management, and information systems. However, it can be adopted also in the computer science majors, since it does not strictly require any specific pre-requisite knowledge. At the graduate level, this book can be used in courses for industrial engineering, information systems, and management students. Finally, the book is also of interest to practitioners, like business analysts, process analysts, and information system architects, to

understand the enabling and transformative potential of blockchain in a given business scenario.

**Architecting
Enterprise
Blockchain Solutions**
Springer

This handbook aims to serve as a one-stop, reliable source of reference, with curations of survey and expository contributions on the state-of-the-art in Blockchain technology. It covers a comprehensive range of topics, providing the technical and non-technical reader with fundamentals, applications, and deep details on a variety of topics. The readership is expected to span broadly from technologically-minded business professionals

and entrepreneurs, to students, instructors, novices and seasoned researchers, in computer science, engineering, software engineering, finance, and data science. Though Blockchain technology is relatively young, its evolution as a field and a practice is booming in growth and its importance to society had never been more important than it is today. Blockchain solutions enable a decentralization of a digital society where people can contribute, collaborate, and transact without having to second-guess the trust and transparency factors with many geographical, financial, and political barriers removed. It is the distributed ledger technology behind the

success of Bitcoin, Ethereum, and many emerging applications. The resource is divided into 5 parts. Part 1 (Foundation) walks the reader through a comprehensive set of essential concepts, protocols, and algorithms that lay the foundation for Blockchain. Part 2 (Scalability) focuses on the most pressing challenges of today's blockchain networks in how to keep pace with real-world expectations. Part 3 (Trust and Security) provides detailed coverage on the issues of trust, reputation, and security in Blockchain. Part 4 (Decentralized Finance) is devoted to a high-impact application of Blockchain to finance, the sector that has

most benefitted from this technology. Part 5 (Application and Policy) includes several cases where Blockchain applies to the real world.

Introducing Ethereum and Solidity Packt Publishing Ltd

The future will be increasingly distributed. As the publicity surrounding Bitcoin and blockchain has shown, distributed technology and business models are gaining popularity. Yet the disruptive potential of this technology is often obscured by hype and misconception. This detailed guide distills the complex, fast moving ideas behind blockchain into an easily digestible reference manual, showing what's really going on under the hood. Finance and

technology pros will learn how a blockchain works as they explore the evolution and current state of the technology, including the functions of cryptocurrencies and smart contracts. This book is for anyone evaluating whether to invest time in the cryptocurrency and blockchain industry. Go beyond buzzwords and see what the technology really has to offer. Learn why Bitcoin was fundamentally important in blockchain's birth. Learn how Ethereum has created a fertile ground for new innovations like Decentralized Finance (DeFi), Non-Fungible Tokens (NFTs) and Flash Loans. Discover the secrets behind cryptocurrency prices

and different forces that affect the highly volatile cryptocurrency markets Learn how cryptocurrencies are used by criminals to carry out nefarious activities Discover how enterprise and governments are leveraging the blockchain including Facebook Understand the challenges of scaling and forking a blockchain Learn how different blockchains work Learn the language of blockchain as industry terms are explained

Blockchain - ICBC

2022 Springer Nature
A complete guide to understanding, developing, and testing popular security-token smart contracts Key Features Understand key Blockchain and Ethereum platforms concepts Step-by-step

guide to developing STO smart contracts on Ethereum Monetize digital tokens under various U.S. securities laws Book Description The failure of initial coin offerings (ICOs) is no accident, as most ICOs do not link to a real asset and are not regulated. Realizing the shortcomings of ICOs, the blockchain community and potential investors embraced security token offerings (STOs) and stablecoins enthusiastically. In this book, we start with an overview of the blockchain technology along with its basic concepts. We introduce the concept behind STO, and cover the basic requirements for launching a STO and the relevant regulations governing its issuance. We

discuss U.S. securities laws development in launching security digital tokens using blockchain technology and show some real use cases. We also explore the process of STO launches and legal considerations. We introduce popular security tokens in the current blockchain space and talk about how to develop a security token DApp, including smart contract development for ERC1404 tokens. Later, you'll learn to build frontend side functionalities to interact with smart contracts. Finally, we discuss stablecoin technical design functionalities for issuing and operating STO tokens by interacting with Ethereum smart contracts. By the end

of this book, you will have learned more about STOs and gained a detailed knowledge of building relevant applications—all with the help of practical examples. What you will learn Understand the basic requirements for launching a security token offering Explore various US securities laws governing the offering of security digital tokens Get to grips with the stablecoin concept with the help of use cases Learn how to develop security token decentralized applications Understand the difference between ERC-20 and ERC-721 tokens Learn how to set up a development environment and build security tokens Explore the technical design of stablecoins Who this book is for This book is

ideal for blockchain beginners and business user developers who want to quickly master popular Security Token Offerings and stablecoins. Readers will learn how to develop blockchain/digital cryptos, guided by U.S. securities laws and utilizing some real use cases. Prior exposure to an Object-Oriented Programming language such as JavaScript would be an advantage, but is not mandatory.

Blockchain for

Business Springer

Nature

Blockchain and Crypto

CurrencySpringer

Nature

Mastering Blockchain

Packt Publishing Ltd

Ethereum represents

the gateway to a

worldwide,

decentralized

computing paradigm.

This platform enables you to run

decentralized

applications (DApps)

and smart contracts

that have no central

points of failure or

control, integrate with

a payment network,

and operate on an

open blockchain. With

this practical guide,

Andreas M.

Antonopoulos and

Gavin Wood provide

everything you need to

know about building

smart contracts and

DApps on Ethereum

and other virtual-

machine blockchains.

Discover why IBM,

Microsoft, NASDAQ,

and hundreds of other

organizations are

experimenting with

Ethereum. This

essential guide shows

you how to develop the

skills necessary to be

an innovator in this

growing and exciting new industry. Run an Ethereum client, create and transmit basic transactions, and program smart contracts Learn the essentials of public key cryptography, hashes, and digital signatures Understand how "wallets" hold digital keys that control funds and smart contracts Interact with Ethereum clients programmatically using JavaScript libraries and Remote Procedure Call interfaces Learn security best practices, design patterns, and anti-patterns with real-world examples Create tokens that represent assets, shares, votes, or access control rights Build decentralized applications using multiple peer-to-peer (P2P) components
Financial Risk

Management for Cryptocurrencies
"O'Reilly Media, Inc."
The two-volume set, LNCS 11098 and LNCS 11099 constitutes the refereed proceedings of the 23nd European Symposium on Research in Computer Security, ESORICS 2018, held in Barcelona, Spain, in September 2018. The 56 revised full papers presented were carefully reviewed and selected from 283 submissions. The papers address issues such as software security, blockchain and machine learning, hardware security, attacks, malware and vulnerabilities, protocol security, privacy, CPS and IoT security, mobile security, database and web security, cloud security, applied

crypto, multi-party computation, SDN security.

Ethereum For Dummies

Edward Elgar Publishing
Understand the Blockchain revolution and get to grips with Ethereum, Hyperledger Fabric, and Corda. Key Features Resolve common challenges and problems faced in the Blockchain domain Study architecture, concepts, terminologies, and Dapps Make smart choices using Blockchain for personal and business investments Book Description Blockchain Quick Reference takes you through the electrifying world of blockchain technology and is designed for those who want to polish their existing knowledge regarding

the various pillars of the blockchain ecosystem. This book is your go-to guide, teaching you how to apply principles and ideas for making your life and business better. You will cover the architecture, Initial Coin Offerings (ICOs), tokens, smart contracts, and terminologies of the blockchain technology, before studying how they work. All you need is a curious mind to get started with blockchain technology. Once you have grasped the basics, you will explore components of Ethereum, such as ether tokens, transactions, and smart contracts, in order to build simple Dapps. You will then move on to learning why Solidity is used specifically for

Ethereum-based projects, followed by exploring different types of blockchain with easy-to-follow examples. All this will help you tackle challenges and problems. By the end of this book, you will not only have solved current and future problems relating to blockchain technology but will also be able to build efficient decentralized applications. What you will learn Understand how blockchain architecture components work Acquaint yourself with cryptography and the mechanics behind blockchain Apply consensus protocol to determine the business sustainability Understand what ICOs and crypto-mining are and how they work

Create cryptocurrency wallets and coins for transaction mechanisms Understand the use of Ethereum for smart contract and DApp development Who this book is for Blockchain Quick Reference is for you if you are a developer who wants to get well-versed with blockchain and its associated concepts and terminologies. You will explore the working mechanism of a decentralized application with the help of examples. Business leaders and blockchain enthusiasts will also find this book useful, as it will help you effectively address challenges and make better personal and business investments. *Mastering Ethereum* Blockchain and Crypto Currency

Demystify architecting complex blockchain applications in enterprise environments

Architecting Enterprise Blockchain Solutions helps engineers and IT administrators understand how to architect complex blockchain applications in enterprise environments. The book takes a deep dive into the intricacies of supporting and securing blockchain technology, creating and implementing decentralized applications, and incorporating blockchain into an existing enterprise IT infrastructure. Blockchain is a technology that is experiencing massive growth in many facets of business and the enterprise. Most books

around blockchain primarily deal with how blockchains are related to cryptocurrency or focus on pure blockchain development. This book teaches what blockchain technology is and offers insights into its current and future uses in high performance networks and complex ecosystems. Provides a practical, hands-on approach

Demonstrates the power and flexibility of enterprise blockchains such as Hyperledger and R3 Corda Explores how blockchain can be used to solve complex IT support and infrastructure problems

Offers numerous hands-on examples and diagrams Get ready to learn how to harness the power and flexibility of enterprise

blockchains!
The Emerald Handbook of Blockchain for Business Cambridge University Press
Absolute Essentials of Ethereum is a concise textbook which guides the reader through the fascinating world of the emerging Ethereum ecosystem, from the basics of how its blockchain works to cutting-edge applications. Written by an experienced educator, each chapter is designed to progress potential students from class to class. Technical concepts are clearly explained for those new to the topic and readers are supported with definitions and summaries in each chapter. Real-life case studies situate the overviews in a contemporary context.

Topics covered include the Ethereum Execution and Consensus layers, Ethereum governance and community, Decentralised Autonomous Organisations (DAOs), Decentralised Finance (DeFi), Non-Fungible Tokens (NFTs) and Layer 2. This book is the ideal text to support undergraduate and postgraduate courses on blockchain technologies, cryptocurrencies, Web3 and fintech, as well as for those who want to know how Ethereum really works. *Hands-On Smart Contract Development with Solidity and Ethereum* John Wiley & Sons
Implement real-world decentralized applications using Python, Vyper,

Populus, and Ethereum Key Features Stay up-to-date with everything you need to know about the blockchain ecosystem Implement smart contracts, wallets, and decentralized applications (DApps) using Python libraries Get deeper insights into storing content in a distributed storage platform Book Description Blockchain is seen as the main technological solution that works as a public ledger for all cryptocurrency transactions. This book serves as a practical guide to developing a full-fledged decentralized application with Python to interact with the various building blocks of blockchain applications. Hands-On Blockchain for Python

Developers starts by demonstrating how blockchain technology and cryptocurrency hashing works. You will understand the fundamentals and benefits of smart contracts such as censorship resistance and transaction accuracy. As you steadily progress, you'll go on to build smart contracts using Vyper, which has a similar syntax to Python. This experience will further help you unravel the other benefits of smart contracts, including reliable storage and backup, and efficiency. You'll also use web3.py to interact with smart contracts and leverage the power of both the web3.py and Populus framework to build decentralized applications that offer

security and seamless integration with cryptocurrencies. As you explore later chapters, you'll learn how to create your own token on top of Ethereum and build a graphical user interface (GUI) that can handle Ethereum and Ethereum Request for Comments (ERC-20) tokens using the PySide2 library. This will enable users to seamlessly store, send, and receive digital money. Toward the end, you'll implement InterPlanetary File System (IPFS) technology in your decentralized application to provide a peer-to-peer filesystem that can store and expose media. By the end of this book, you'll be well-versed in blockchain

programming and be able to build end-to-end decentralized applications on a range of domains using Python. What you will learn Understand blockchain technology and what makes it an immutable database Use the features of web3.py API to interact with the smart contract Create your own cryptocurrency and token in Ethereum using Vyper Use IPFS features to store content on the decentralized storage platform Implement a Twitter-like decentralized application with a desktop frontend Build decentralized applications in the shape of console, web, and desktop applications Who this book is for If you are a

Python developer who wants to enter the world of blockchain, Hands-On Blockchain for Python Developers is for you. The book will be your go-to guide to becoming well-versed with the blockchain ecosystem and building your own decentralized applications using Python and library support.

Best Sellers - Books :

- [Tomorrow, And Tomorrow, And Tomorrow: A Novel By Gabrielle Zevin](#)
- [Young Forever: The Secrets To Living Your Longest, Healthiest Life \(the Dr. Hyman Library, 11\) By Dr. Mark Hyman Md](#)
- [Hunting Adeline \(cat And Mouse Duet\) By H. D. Carlton](#)
- [Happy Place By Emily Henry](#)
- [Things We Hide From The Light \(knockemout Series, 2\) By Lucy Score](#)
- [Can't Hurt Me: Master Your Mind And Defy The Odds By David Goggins](#)
- [Fourth Wing \(the Emyrean, 1\) By Rebecca Yarros](#)
- [The Collector: A Novel By Daniel Silva](#)
- [Jackie: Public, Private, Secret](#)
- [The Covenant Of Water \(oprah's Book Club\) By Abraham Verghese](#)