Blockchain Developer Training Course

Professional Development Training Course Outline

Category	Artificial Intelligence And Block Chain	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In the rapidly evolving world of Web3 and decentralized technologies, becoming a certified blockchain developer opens the door to high-paying careers and groundbreaking innovations. This Blockchain Developer Training Course is a hands-on, industry-aligned course designed to equip learners with the in-demand skills to build smart contracts, develop decentralized applications (DApps), and understand the architecture behind public and private blockchain networks. From Ethereum and Solidity to Hyperledger and DeFi ecosystems, our training ensures you are fully prepared to lead in the world of distributed ledger technology.

Whether you are a software developer transitioning into blockchain or a tech enthusiast seeking the best blockchain certification, this course provides comprehensive knowledge and practical experience. With trending modules, expert-led instruction, and real-world projects, you'll gain job-ready skills aligned with top hiring needs in crypto, fintech, and enterprise blockchain applications.

Programme Curriculum

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Course Objectives:

1. Understand core concepts of blockchain, cryptography, and consensus mechanisms.
2. Develop and deploy Ethereum-based smart contracts using Solidity.
3. Build and test decentralized applications (DApps) using Web3.js and Truffle.
4. Gain proficiency in blockchain architecture and network setup.
5. Explore blockchain use cases in finance, healthcare, logistics, and governance.
6. Learn blockchain token standards like ERC-20 and ERC-721 (NFTs).
7. Understand blockchain scalability, security, and privacy solutions.
8. Work with blockchain platforms such as Ethereum, Polygon, Hyperledger, and Binance Smart Chain.
9. Master blockchain APIs and integration with front-end applications.
10. Create secure wallets and manage digital assets safely.
11. Understand decentralized finance (DeFi) and blockchain-based identity systems.
12. Explore blockchain for enterprise and consortium-based networks.
13. Prepare for blockchain developer certifications and job interviews.

Target Audience

1. Software Developers and Engineers
2. Web Developers transitioning into Web3
3. Tech Entrepreneurs and Startup Founders
4. Crypto Enthusiasts and Traders
5. Computer Science & IT Students
6. Blockchain Consultants and Analysts
7. DevOps Engineers working in secure deployments
8. Data Scientists exploring decentralized storage and smart analytics

Course Duration:

- 5 days

Course Modules

Module 1: Blockchain Fundamentals

- Introduction to blockchain technology
- History and evolution of blockchain
- Distributed ledger and peer-to-peer networks
- Cryptographic hashing and digital signatures
- Consensus mechanisms (PoW, PoS, DPoS)

Module 2: Smart Contract Development

- What are smart contracts
- Introduction to Solidity programming
- Writing and deploying smart contracts
- Testing contracts using Truffle
- Security practices in smart contracts

Module 3: DApp Development

- What is a DApp
- Web3.js and blockchain interaction
- Frontend integration with smart contracts
- Building a complete DApp project
- Hosting DApps on decentralized platforms

Module 4: Blockchain Networks and Architecture

- Public vs private blockchains
- Ethereum, Binance Smart Chain, and Polygon
- Setting up local blockchain networks (Ganache)
- Blockchain nodes and clients
- Network scaling and upgrades

Module 5: Tokens and Crypto Assets

- Understanding token standards (ERC-20, ERC-721)
- Creating fungible and non-fungible tokens
- ICOs and tokenomics basics
- Wallet creation and key management
- Token deployment on testnets

Module 6: DeFi & Blockchain Use Cases

- Introduction to DeFi protocols
- Lending, staking, and yield farming
- Real-world blockchain applications
- Blockchain in supply chain and healthcare
- Blockchain-based voting systems

Module 7: Enterprise Blockchain and Hyperledger

- Hyperledger Fabric overview

- Smart contracts with Chaincode
- Consortium blockchain use cases
- Identity and permissioned networks
- Setting up a Hyperledger test network

Module 8: Final Project and Certification Prep

- Capstone project with code review
- Resume and portfolio building
- Interview preparation tips
- Certification practice tests
- Job placement resources and networking

Training Methodology

- Instructor-Led Virtual Sessions
- Self-Paced Video Tutorials
- Live Coding Workshops
- Hands-On Projects
- Community-Based Support Forums
- Weekly Mentorship.
- Expert Trainer Access.
- Post-Training Support

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com