Blockchain Architecture Training

Category: Software Development & Programming | **Vendor:** Blockchain Training Alliance

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

This instructor-led 3 day Blockchain Architecture training is for technical leaders who need to make decisions about architecture, environment, and development platforms.

About This Course

This instructor-led 3 day Blockchain Architecture training is for technical leaders who need to make decisions about architecture, environment, and development platforms.

Who Should Attend

Technical Leaders

Learning Outcomes

Upon successful completion of this course, participants will be able to:

What is BlockchainHow does Blockchain workTypes of BlockchainsHow is Blockchain different from what we have todayWhat are use cases for BlockchainWhat does a Blockchain app look likeHow do I design a Blockchain appHow do I develop a Blockchain appHow do I test a Blockchain app

Detailed Course Outline

What is Blockchain

- A record keeping system
- Trust
- Decentralization
- Trustless environment

How does Blockchain work

- Announcements
- Blocks
- Nodes
- Chaining
- Verification
- Consensus
- Scalability
- Privacy
- Crypto Hashing
- Digital Fingerprinting
- PoW vs PoS

Types of Blockchains

- Public vs Private
- Open vs closed
- Smart Contracts
- Blockchain as History
- Tokens / Coins
- Gas

How is Blockchain different from what we have today

- Decentralized
- Peer-to-peer architecture
- Software vs Firmware
- Database vs Blockchain
- Distributed database or other technology
- Data Sovereignty
- Group Consensus

What are Use Cases for Blockchain

- Use Case Examples
- Currency
- Banking Services
- Voting
- Medical Records
- Supply Chain / Value Chain
- Content Distribution
- Verification of Software Updates (cars, planes, trains, etc)
- Law Enforcement
- Title and Ownership Records
- Social Media and Online Credibility
- Fractional asset ownership
- Cable Television billing
- High fault tolerance
- DDoS-proof
- Public or Private Blockchain
- Who are the participants

What does a Blockchain app look like

- DApp
- Resembles typical full stack web application
- Any internal state changes and all transactions are written to the blockchain
- Node.js
- IDE
- Public Blockchain visibility
- Private Blockchain solutions
- Oracles

How do I design a Blockchain app

- What does this solution need to let users do
- Will the proposed solution reduce or remove the problems and pain points currently felt by users
- What should this solution prevent users from doing
- Do you need a solution ready for heavy use on day 1
- Is your solution idea enhanced by the use of Blockchain Does the use of Blockchain create a better end-user experience If so, how
- Has your business developed custom software solutions before
- What level of support are you going to need
- How big is the developer community
- Does your vision of the future align with the project or platform's vision of the future
- Does the platform aim to make new and significant contributions to the development space, or is it an efficiency / cost play
- Should the solution be a public or private Blockchain
- Should the solution be an open or closed Blockchain
- Create a plan for contract updates and changes!
- Hybrid solutions
- Monetary exchanges

How do I develop a Blockchain app

- AGILE approach pre-release
- Define guiding principles up front
- Software vs Firmware
- Announcements, not transactions!
- Classes, not contracts
- Link contracts to share functions
- Use calling contracts to keep contract address the same
- Hyperledger vs Ethereum
- CONSIDER No of Users * Avg No of Transactions (state changes) per User
- Should a Blockless solution be applied
- Performance
- Security
- Anonymity
- Security
- Monolithic vs Modular
- Sandwich complexity model

How do I test a Blockchain app

- Recommend 5x to 10x traditional application testing time
- Security
- Networks

Additional Course Details

Nexus Humans Blockchain Architecture Training training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Blockchain Architecture Training course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Blockchain Architecture Training?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 3-day Blockchain Architecture Training course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Blockchain Architecture Training training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Blockchain Architecture Training?

Yes, we provide corporate training, dedicated training, and closed classes for Blockchain Architecture Training. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Blockchain Architecture Training?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Blockchain Architecture Training training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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