BLOCKCHAIN Implementation
www.blockchaintrainingalliance.com
- Database?
  - Centralized
  - Decentralized
- Secure network transfer?
  - # parties, frequency
  - Information
  - Money (value)
- Business process automation?
  - QA/Compliance/Audit
  - Always-available information
  - Data sovereignty

Use Case Example:
Factom: Health insurance claims billing
- Automated claims billing, validation, payment, and settlement
- Multi-party value chain: patient, service provider, billing agent, insurance company, payor, government, collections
When to use Blockchain

- **Key question:** Why is using a blockchain better than a central database?
  - Still need to secure the endpoints (use cases break down)

- **Next-gen EDI/VPM in multi-party business networks**
  - Many network points of information and money exchange
  - Information Where would having a single shared set of trusted information help in value chain ecosystem?

- **Trade-offs and hybrid networks**
  - Centralized systems: fast, scalable, adaptable, manageable. Blockchain: secure, transparent, transparent.
How Do I Get Started

- Requirements Definition
- Proof of Concept Development
- Tools & Technology Infrastructure
- Pilot Project
- Deployment Strategy
- Production
Requirements Definition

- Where would having a single shared set of trusted information help in value chain ecosystem?
  - Blockchain is a single shared database of information and transactions between parties in a value chain
- What are obvious ways to deliver customer value?
  - Financial: What is the cost of transactions/information transfer now? What is the business case for moving to a blockchain solution?
  - QA Regulation/Compliance: audit-log demonstrates compliance; assures chain of custody
Proof of Concept Definition

- Business process re-engineering 2.0
- Map ecosystem interactions and identify choke points, friction, mission-critical interchange
  - Identify crucial points of secure information exchange and value exchange in the value chain
- What are the obvious (low hanging fruit) problem and how can a blockchain improve this?
  - Instantaneous transfer, pre-validated transactions
  - Audit trail accessible 24/7 by all parties
Next Steps

- Identify 2-3 use cases for Blockchain
- Design and Implement Pilot Project
- Deployment Strategy
- Competitive Edge: lead blockchain single shared database and processes in your industry ecosystem
- Resources
  - Blockchain consultants, system integrators/vendors
Practicality: How to Get Started?

- **Bitcoin Wallets**
  - Software wallet: Coinbase, Mycelium, Bread
  - Hardware wallet: Trezor, Ledger
  - Linked VISA debit cards: Shift, TenX

- **Ethereum Smart Contract Wallets**
  - Store and trade Ether and access, use, write, deploy, and maintain smart contracts
  - MyEtherWallet
  - Jaxx
Blockchain technology is a software protocol for the secure transfer of unique instances of value (e.g. money, property, contracts, and identity credentials) via the internet without requiring a third-party intermediary such as a bank or government.
BUSINESS USE CASES

- Background checks: education credentials, criminal records
- Secure document storage: home deed, auto title
- Birth registries
- Land registries
- Financial services: securities clearing, syndicated loans
- Global supply chain: automotive recalls and counterfeit airbags
- Healthcare: EMRs, insurance claims, genome research
- Airlines: registration, re-booking, vouchers, loyalty
- Tokenized economy: Tech Coworking space 1 token = 1 seat
- Payment channels: Starbucks or for bandwidth consumption
Blockchain Training Alliance
Primary Curriculum

Blockchain Training: An Overview for Business Professionals
$399.00 USD

IoT and Blockchain Training
$599.00 USD

Blockchain Architecture Training
$2,495.00 USD $1,895.00 USD

Ethereum Training: Hands-on Ethereum Development Bootcamp
$2,495.00 USD

Hyperledger Training: Developing on Hyperledger Fabric v1.1
$2,495.00 USD

Corda Training: CorDapps Development
$2,495.00 USD
Blockchain for Business (Overview)

Ethereum (4 days)
- Ethereum Development Bootcamp (2)
- Build DApps with Solidity (2)

Hyperledger (4 days)
- Hyperledger Fabric Bootcamp (2)
- Programming in Chaincode (2)
Blockchain Certified Professional

The following careers would benefit from certification:
- Consultants
- Programmers & Developers
- University Professors
- Software Engineers
- CEO/CTO/CIO

Ethereum Certified Professional

The following careers would benefit from certification:
- Software Engineers
- Application Architects
- Programmers & Developers

Hyperledger Certified Professional

The following careers would benefit from certification:
- Enterprise Software Engineers
- Enterprise Application Architects
- Enterprise Programmers & Developers
What is included in each delivery?

- **Book**
  - For each session, books will be mailed out or delivered via virtual classroom

- **Server nodes**
  - Provided in the cloud

- **Labs**
  - Provided in the cloud
  - Lab files will be delivered in a ZIP file for your future student reference
TRAINING OVERVIEW

- **Objectives**
  - What is blockchain, technical overview, business use cases
  - 6 modules (30-45 min each + Q&A + break)
    1. What is Blockchain
    2. History
    3. Blockchain Basics
    4. Blockchain Transactions
    5. Use Cases
    6. Implementation

- Materials, Certificate of Completion, Feedback
Questions?

THANK YOU
Blockchain Economics is fundamentally a new finance and investment model.
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