Professional Blockchain Course

Blockchain Architecture

Application Layer	Smart Contract	Hyper ledger	Ethereum Virtual Machine	Decentralized Applications
Insensitive Layer	Rewards Distribution	Transaction Fee		
Consensus Layer	(Delegated) Proof of Work/Stake	Practical Byzantine Fault Tolerance	Consortium Consensus	Sharding Consensus
Network Layer	P2P Broadcast	Relay Network	Local Validation	
Data Layer	Data Block	UTXO	Distributed Hash Table	Digital Signature
	Chain Structure	Hash Function	Merkle Tree	Cryptographic Protocol

Application

DAPPS	APPLICATIONS	EXPLORERS, MONITORING & BI
Infra Contracts & Standards	IDENTITY · RBAC · NETWORK GOVERNANCE	TOKEN STANDARDS · NAME SERVICE
Smart Contract Tools	SMART CONTRACT LANGUAGES	FORMAL VERIFICATION

Tooling

Permissions & Credentials	WALLETS · KEY MANAGEMENT	HSM · PERMISSIONING / AUTHENTICATION
Integration & Deployment Tools	INTEGRATION LIBRARIES	ENTERPRISE MANAGEMENT SYSTEMS
Client Interfaces	JSON-RPC · INTER-CHAIN	ORACLES

Privacy / Scaling

Privacy	WALLETS	PRIVATE TRANSACTIONS · OFF-CHAIN (TRUSTED EXECUTION)
Scaling	ON-CHAIN (LAYER 2) · OFF-CHAIN (COMPUTE)	

Core Blockchain

Storage / Ledger	ON-CHAIN PUBLIC STATE · ON-CHAIN STORAGE · OFF-CHAIN STORAGE	ON-CHAIN PRIVATE STATE
Executive	EVM · SYNC · PRECOMPILED CONTRACTS	TRUSTED EXECUTION
Consensus	PUBLIC CONSENSUS	PRIVATE CONSENSUS

Network

Network Protocol	DEVP2P	ENTERPRISE P2P

LEGEND

- Yellow Paper
- Public Layer
- Application Layer
- Enterprise Layer

THANK YOU

For more information contact
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