Blockchain Roadmap:

Blockchain

Basic Blockchain Knowledge
- What is Blockchain?
- Decentralization
- Why it matters?
- Blockchain Structure
- Basic Blockchain Operations
- Applications and Uses

General Blockchain Knowledge
- Storage
- Mining and Incentive Models
- Decentralization vs Trust
- Blockchain Forking
- Cryptocurrencies
- Cryptowallets
- Cryptography
- Consensus Protocols
- Blockchain Interoperability

Oracles
- Hybrid Smart Contracts
- Chainlink
- Oracle Networks

Blockchains

EVM-Based
- Ethereum
- Polygon
- Binance Smart Chain
- Gnosis Chain
- Huobi Eco Chain
- Avalanche
- Fantom
- Moonbeam / Moonriver

L2 Blockchains
- Arbitrum
- Moonbeam / Moonriver

- Solana
- TON
- EVM-Based
- L2 Blockchains

Smart Contracts
- ERC Tokens
- Crypto Wallets
- IDEs
- Crypto Faucets
- Decentralized Storage

Programming Languages
- Solidity
- Vyper
- Rust

- Testing
  - Unit Tests
  - Integration Tests
  - Code Coverage
- Deployment
- Monitoring
- Upgrades

Smart Contract Frameworks
- Hardhat
- Brownie
- Truffle
- Foundry

Security
Practices
- Fuzz Testing & Static Analysis
- Common Threat Vectors
- Source of Randomness Attacks

Tools
- Slither
- Manticore
- MythX
- Echidna

Management Platforms
- OpenZeppelin

Version Control Systems
- Git

Repo Hosting Services
- GitHub
- GitLab
- BitBucket

Frontend Frameworks
- React
- Angular
- Vue

dApps - Decentralized Applications
- Insurance
- Payments
- NFTs
- DeFi
- DAOs
- Applicability
- Testing
- Deployment
- Maintenance
- Architecture
- Security

Client Libraries
- ethers.js
- web3.js
- Moralis

Client Nodes
- Geth
- Besu
- Nethermind
- Substrate

Node as a Service
- Alchemy
- Infura
- Moralis
- Quicknode

Supporting Languages
- JavaScript
- Python
- Go

Building for Scale
- State and Payment Channels
- Optimistic Rollups & Fraud Proofs
- Zk Rollups & Zero Knowledge Proof
- Validium
- Plasma
- Sidechains
- Ethereum 2.0
- On-Chain Scaling

Keep Learning