

Blockchain Technology



How to start your career as a Blockchain Developer

FUTURIONIX



Blockchain Technology



Works on:

- Cosmos (Golang) & Substrate (Rust)
- EVM Chains
- Solana & Stellar Chains
- Android Apps
- Web Apps



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Outlines



What is Blockchain



Blockchain Career Path



Strengthens the Computer Science base



How to get a remote job as a student





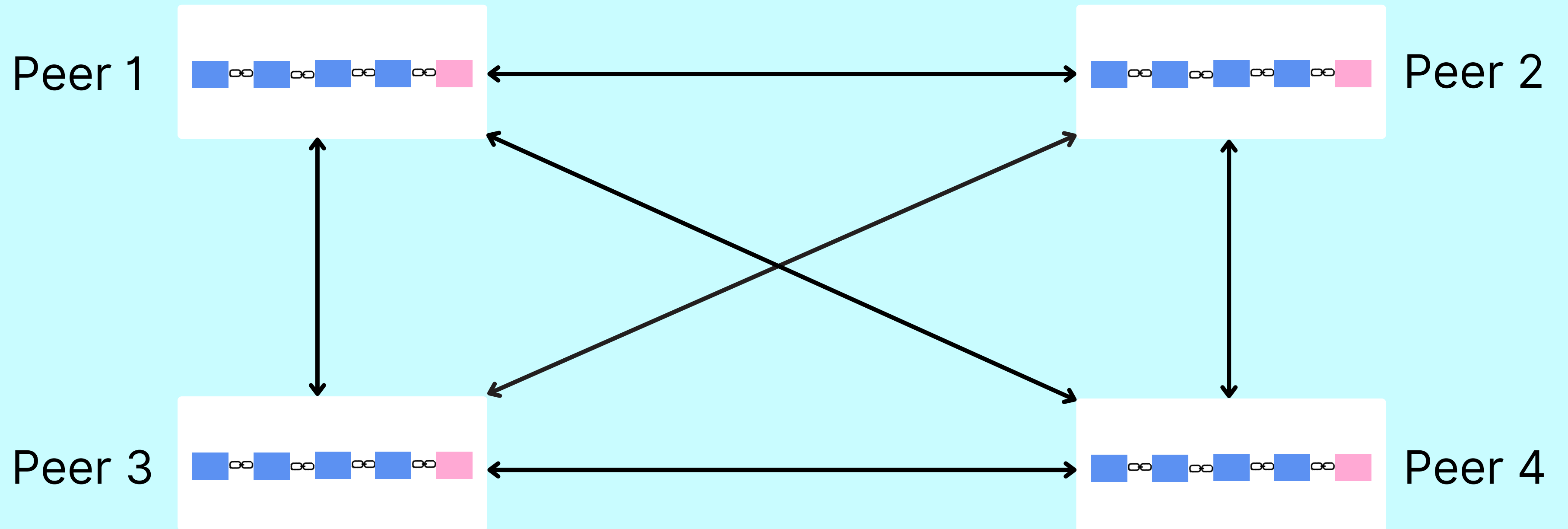
What is Blockchain

Blockchain is a peer-to-peer **decentralized distributed ledger** that **permanently & chronologically** records and guarantees an **immutable, unalterable** trustworthy transaction (of money or any valuable asset) in a trust-less environment through **consensus protocol** secured by **cryptography** with **economically incentivized** participation



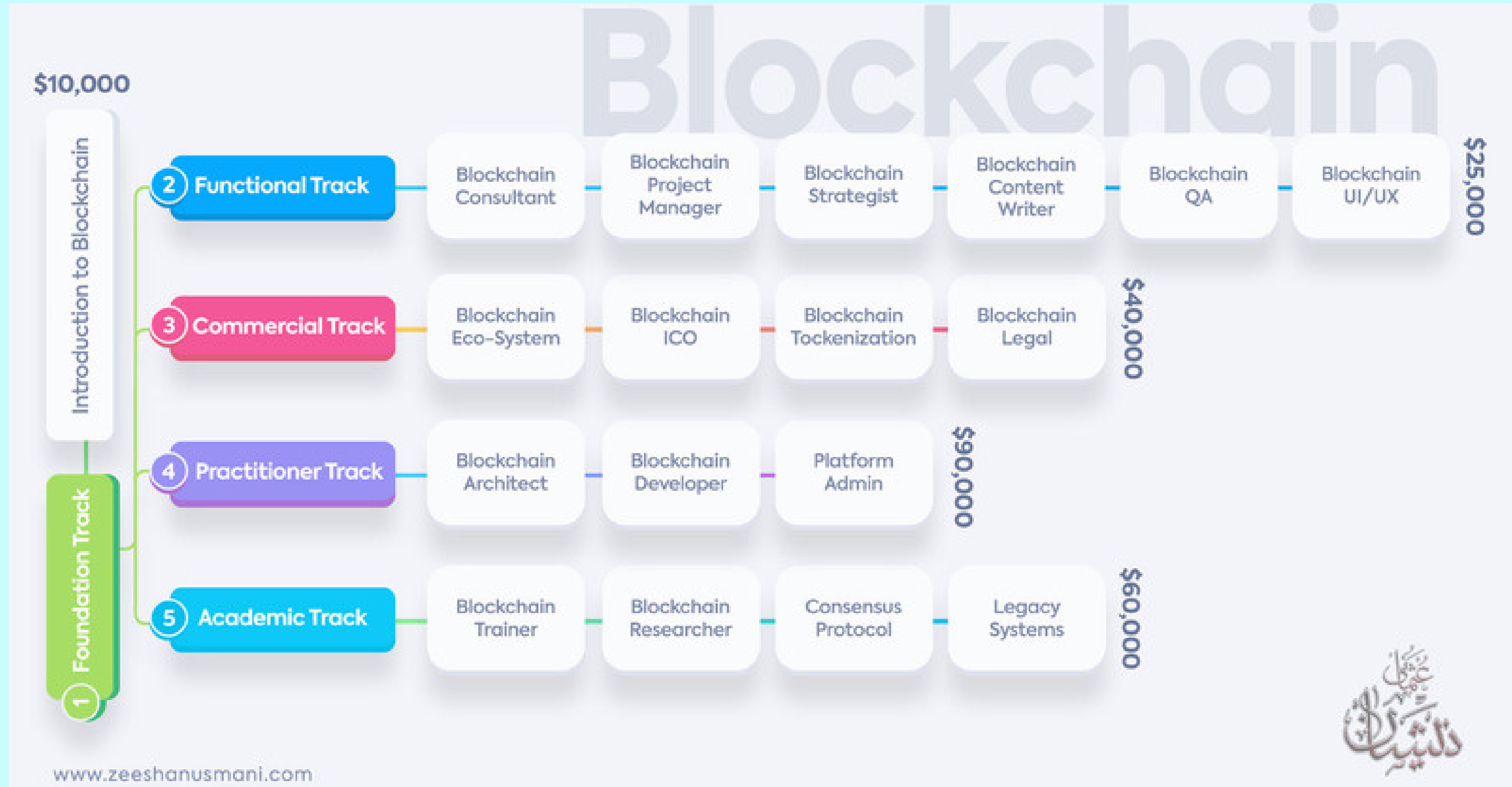


What is Blockchain





Blockchain Career Path



Credit: Prof. Dr. Zeeshan-ul-hassan Usmani

Types of Blockchain Developers

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graph TD; A[Types of Blockchain Developers] --> B[Blockchain Core Developer]; A --> C[Blockchain DApp Developer]; B --> B1[• Architecture development of a blockchain system]; B --> B2[• Design consensus protocol]; B --> B3[• Responsible for as well:]; B3 --> B3a[◦ Security of their blockchain network]; C --> C1[• Build apps based on blockchain architecture called DApps]; C --> C2[• DApps run on blockchain]; C --> C3[• Responsible for:]; C3 --> C3a[◦ Front-end]; C3 --> C3b[◦ Back-end dev of Dapps];
```

Blockchain Core Developer

- Architecture development of a **blockchain system**
- Design **consensus protocol**
- Responsible for as well:
 - Security of their **blockchain network**

Blockchain DApp Developer

- Build **apps** based on **blockchain architecture** called **DApps**
- **DApps** run on **blockchain**
- Responsible for:
 - **Front-end**
 - **Back-end dev of Dapps**

Ethereum Blockchain DApp Developer Career Pathway

1. **Fundamental of Blockchain** - basics, works, deep dive in blockchain
2. **Ethereum Blockchain** - is a blockchain with smart contract functionality
3. **Solidity** - for Backend (**Smart Contract** programming language)
4. **React Js** - for Frontend (JavaScript library for building UI)
5. **Truffle** - Framework (compile, test and deploy **smart contract** code)
6. **Web3 Js** - Ethereum JS API (To interact with local or remote ethereum node)
7. **Ganache** - Personal blockchain for Ethereum (enable you to develop, deploy, and test your dApps)

Blockchain DApp Developer Career Pathway

GitHub Repo for Blockchain DApp Developer:

<https://github.com/mzaryabrafique/blockchain-developer-career-path>

Blockchain Developer Course:

<https://simpli-web.app.link/e/KfUskybVMtb>

Blockchain Developer Jobs & Stats

According to Linkedin

40,000+ Blockchain jobs (3,006 new)

Total Blockchain Developers World Wide

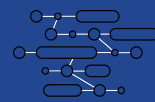
5,000+ Blockchain Developers



Strengthens the Computer Science base



Object Oriented Programming



Data Structures



Databases



Algorithms



Computer Networks



Operating System



<https://pll.harvard.edu/course/cs50-introduction-computer-science?delta=0>



How to get a remote job as a student

- Do Learning
- Build Projects
 - Publish on GitHub
 - Add to your personal website
- Create Resume
 - **Nova Resume** - <https://novoresume.com>
 - **Overleaf** - <https://www.overleaf.com>
- LinkedIn Account
 - Create Account
 - Complete your profile & increase connections (connect to professionals)
 - Post about technology
 - Apply for remote jobs (at the job section)

Advise

Improve, Maintain

Health



Summary

- Concept of blockchain
- Blockchain Career Path
 - Types of Blockchain Developers
 - Ethereum Blockchain DApp Developer Career Pathway
- Strengthens the Computer Science base
- How to get remote job as a student
- Improve, Maintain Health

➡ Resources Links

- **CS50:** <https://pll.harvard.edu/course/cs50-introduction-computer-science?delta=0>
- **Nova Resume:** <https://novoresume.com>
- **Overleaf:** <https://www.overleaf.com>
- **LinkedIn:** <https://www.linkedin.com>
- **Blockchain dApp Developer Career Path:**
<https://github.com/mzaryabrafique/blockchain-developer-career-path>
- **Strengthens Computer Science base:** <https://www.geeksforgeeks.org>



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