

Smart Contract Security

Dive deeper into smart contract security best practices. This includes understanding common vulnerabilities, gas optimization techniques, and secure coding practices for Solidity.

- Webpage: <https://consensys.github.io/smart-contract-best-practices/> (ConsenSys Academy - Smart Contract Security Best Practices)
- Documentation: <https://www.openzeppelin.com/security-audits> (OpenZeppelin - Smart Contract Audits)
- Youtube Video: "<https://m.youtube.com/watch?v=TmZ8gH-toX0>" (FreeCodeCamp - Smart Contract Security: Top 5 Vulnerabilities)

Web3.js Library

Web3.js is a JavaScript library for interacting with the Ethereum blockchain. Intermediate learners can explore web3.js functionalities to connect to the blockchain, deploy contracts, and interact with dApps.

- Webpage: <https://web3js.readthedocs.io/> (Web3.js Official Website)
- Documentation: <https://web3js.readthedocs.io/> (Web3.js Documentation)
- Youtube Video: "<https://www.youtube.com/watch?v=Qu6GloG0dQk>" (Traversy Media - Building a dApp with Web3.js & React)

Decentralized Finance (DeFi)

Learn about DeFi protocols, their core functionalities like lending, borrowing, and staking. Explore some popular DeFi platforms and how they leverage smart contracts.

- Webpage: <https://defipulse.com/> (DeFi Pulse - Track DeFi Applications)
- Documentation: <https://docs.compound.finance/> (Compound Finance Documentation)
- Youtube Video: "https://www.youtube.com/watch?v=btB_oHQ0sU" (InvestAnswers - DeFi Explained Simply (A Beginner's Guide to Decentralized Finance))

Non-Fungible Tokens (NFTs)

Understand the concept of NFTs, their use cases like digital art and collectibles, and how to develop NFT contracts using Solidity.

- Webpage: <https://opensea.io/learn> (OpenSea - Learn About NFTs)
- Documentation: <https://docs.openzeppelin.com/contracts/2.x/api/token/erc721> (OpenZeppelin - ERC-721 Standard)
- Youtube Video: "<https://m.youtube.com/watch?v=Gjo1hlley9g>" (Dapp University - Create, Mint, and Sell Your First NFT on Ethereum)