MUHAMMAD RAYAN

FULL-STACK BLOCKCHAIN DEVELOPER

✉ rayan.muhammadzzz31@gmail.com   **Github :** https://github.com/Rayannnzn

SUMMARY

Passionate and self-taught Blockchain Developer with hands-on experience building and deploying decentralized applications (dApps) using Solidity, Foundry, and Ethereum smart contracts. Skilled in designing secure on-chain architectures, implementing DeFi and DAO systems, and integrating frontend interfaces using React, Next.js, and web3 libraries (Ethers.js, Wagmi). Experienced with version control (Git/GitHub) and backend fundamentals to deliver full-stack blockchain solutions. Constantly learning, experimenting, and building impactful Web3 projects that bring decentralized technology closer to real-world use.

PROJECTS

FundMe (Crowdfunding Contract)
- Built and tested a decentralized crowdfunding platform using Solidity + Foundry.
- Implemented funding, withdrawal, and test coverage for edge cases.

Lottery (Raffle with VRF Integration)
- Designed a decentralized lottery system using Chainlink VRF for randomness.
- Developed test cases for fairness and user participation.

ERC20 Token
- Implemented a fully functional ERC20 token contract.
- Added minting, transferring, and balance tracking with Foundry tests.

Dynamic NFT
- Built an NFT smart contract with metadata that changes based on conditions.
- Experimented with on-chain logic and metadata updates.

DeFi Stablecoin
- Created a decentralized stablecoin pegged to USD with collateral management.
- Implemented mint/burn mechanics, price feed integrations, and security tests.

Rebase Token & Cross-Chain Rebase Token
- Developed a rebase token contract with interest adjustments.
- Implemented cross-chain logic for syncing token supply across networks.
- Debugged and improved testing strategies (redeem, interest rate, rewards).

Merkle-Airdrop (Airdrop Using Merkle Proofs)
- Developed a rebase token contract with interest adjustments.
- Implemented cross-chain logic for syncing token supply across networks.
- Debugged and improved testing strategies (redeem, interest rate, rewards).

TSender-UI (Bulk Token Transfer dApp)
- Developed a decentralized web app for bulk ERC20 token transfers using React, Next.js, and Wagmi.

DAO (Governance)
- Created a decentralized autonomous organization for proposal creation and voting.

TECHNICAL SKILLS

Programming Languages : C++, JavaScript, Solidity
Web Technologies : HTML, CSS, React.js, Next.js, Node.js
Blockchain Development : Smart Contracts (Solidity), Foundry Framework, Hardhat & EVM-based Chains
Database & Backend : MySQL, JSON APIs, RESTful Architecture
Tools & Version Control : Git, GitHub, VS Code, Metamask, Anvil, Alchemy, Ethers.js, Wagmi

EDUCATION

Bachelor of Science in Software Engineering
From University of Management and Technology, Lahore

Certified Web3 Developer (Cyfrin Updraft) — Smart Contracts, Foundry, DeFi & Security

PROFESSIONAL EXPERIENCE

Independent Web3 Developer (Self-Taught / Projects)
Built and deployed multiple smart contract projects using Solidity and Foundry, including ERC20 tokens, NFTs, stablecoins, and rebase tokens,DAO'S and Governance Tokens