

**From Bytes to Brilliance:
My Personal Career Portfolio**

**MATTHEW
SHELBY**

Blockchain Developer

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About Me

Hi there, I'm Matthew Shelby. Welcome to my profile! ✨

🚀 I'm a self-taught results-driven software developer passionate about blockchain technologies, Web3, and web development. Skilled in creating scalable solutions and leveraging industry trends to deliver high-quality projects. Adept at collaborating with cross-functional teams to tackle complex problems and drive impactful outcomes. Committed to continuous learning and staying at the forefront of technological advancements to deliver innovative and efficient solutions. Seeking opportunities to contribute my expertise and join a professional team where I can make a meaningful impact and foster innovation.

💡 With a thirst for knowledge, I'm always exploring the latest trends in technology and science to enhance my skill set and stay at the cutting edge of development.

💻 I'm dedicated to crafting high-quality, well-designed applications that meet the needs of users and clients. Solving complex problems and finding creative solutions are at the core of my work.

🌐 Let's connect and explore the endless possibilities of technology together!

MATTHEW
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Technical Skills	Soft Skills
Solidity ★★★★★	Project Management ★★★★★
EVM ★★★★★	Problem-Solving ★★★★★
Smart Contract ★★★★★	Result-Driven ★★★★★
Ethers ★★★★★	Communication ★★★★★
Blockchain ★★★★★	Documentation ★★★★★
ERC-20 - 721 - 1155 ★★★★★	Organization ★★★★★
HD wallet & Ledgers ★★★★★	Teamwork & Collaboration ★★★★★
JavaScript ★★★★★	Team Management ★★★
UX Development ★★★★★	
API, Blockchain Integration ★★★★★	
C# Programing ★★★★★	
ASP.NET Core Backend ★★★★★	
System Architecture ★★★★★	
NodeJS Server ★★★★★	
No-SQL DBMS ★★★★★	
Git ★★★★★	
Development Life Cycle ★★★	
Figma ★★★	

Once upon a code, I embarked on a journey as a passionate developer, eager to explore the endless possibilities of technology and make my mark in the digital realm. Join me as I take you through my ever-evolving story, where each step has shaped me into the skilled and innovative developer I am today.

The latest project I published:

Title Crypto Swap MVP
Short Description Cryptocurrency swap platform, Where user can swap its own tokens with other tokens on the same blockchain.

Project Duration 29 Days.

Technologies Used



Binance
Smart
Chain



Ethers.js



ASP.NET
Core 6



Microsoft
SQL Server



NodeJS



MongoDB



GitHub
Pages



jQuery

Key Features

- **Price Aggregation:** Utilized calling price aggregators to find the best price for optimal trading.
- **Best Price Provider:** Integrated the best price provider available at the time to ensure accurate and competitive pricing.
- **Liquidity Pool Swapping:** Enabled seamless swapping through major liquidity pools to enhance liquidity and trading flexibility.
- **Secure Transaction Signing:** Implemented secure transaction signing, including approval and swap operations, locally using users' wallets for enhanced security.

Additional Information

[Project Website](#) | [GitHub Repository - UI](#) | [GitHub Repository - Backend](#) |

The screenshot displays the 'Swap' interface of the Crypto Swap MVP. At the top, it says 'Swap Trade tokens in an instant' with a settings gear icon. Below this, there are two main input sections: 'Pay' and 'Receive'. The 'Pay' section has a dropdown menu set to 'BUSD' and a text input field containing '0.0'. The 'Receive' section has a dropdown menu set to 'USDT' and a text input field containing '0'. A double-headed arrow icon is positioned between the two input fields. Below the 'Receive' section, a small text line indicates '1 BUSD ≈ 1 USDT'. At the bottom, there is a message: 'You need to Set Allowance for the Operator Contract On the Paying Currency.' To the right of this message are two buttons: 'APPROVE' and 'SWAP'.

The Decuple NFT project I Developed in the Lenzolab:

Title Decuple NFT

Short Description Decuple is a "Hold to earn" NFT that is built on a "Proof of Ownership" Protocol.

Project Duration Near 1 Year.

Technologies Used



Binance Smart Chain



Solidity



Ethereum Virtual Machine



Ethers.js



ASP.NET Core 6



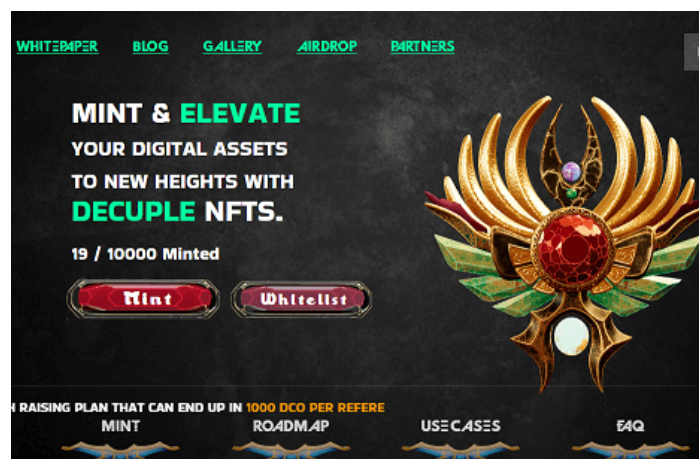
Microsoft SQL Server

Key Features

- **Efficient Infrastructure:** Optimized infrastructure using industry-standard protocols like ERC721, ERC20, and official standards for enhanced security, speed, and efficiency.
- **NFT Minting and Management:** On Decuple, users can mint and manage NFTs from the Decuple NFT collections deployed on the Binance Smart Chain (BSC). The platform provides a seamless experience for users to create and handle their NFT assets.
- **Hybrid Structure:** Utilized a hybrid on-chain/off-chain structure to ensure the highest level of security, while maintaining optimal speed and efficiency. This approach allows for enhanced scalability and reduces the strain on the blockchain network.
- **Low Gas Fee Marketplace:** Integrated with popular low gas fee marketplaces like Opensea and Blur, enabling users to seamlessly buy, sell, and trade NFTs with minimal transaction costs.
- **Asset and Financial Management:** Implemented a comprehensive system for users to manage their digital assets, financials, and access partner services.

Additional Information

[Project Website](#) | [GitHub Repository - Smart Contract](#) |



Blocktop NFT, Excelled Development in the World of NFTs:

Title	Blocktop NFT
Short Description	Blocktop is empowering early access to a play-to-earn online game through NFTs.
Project Duration	Around 60 days.

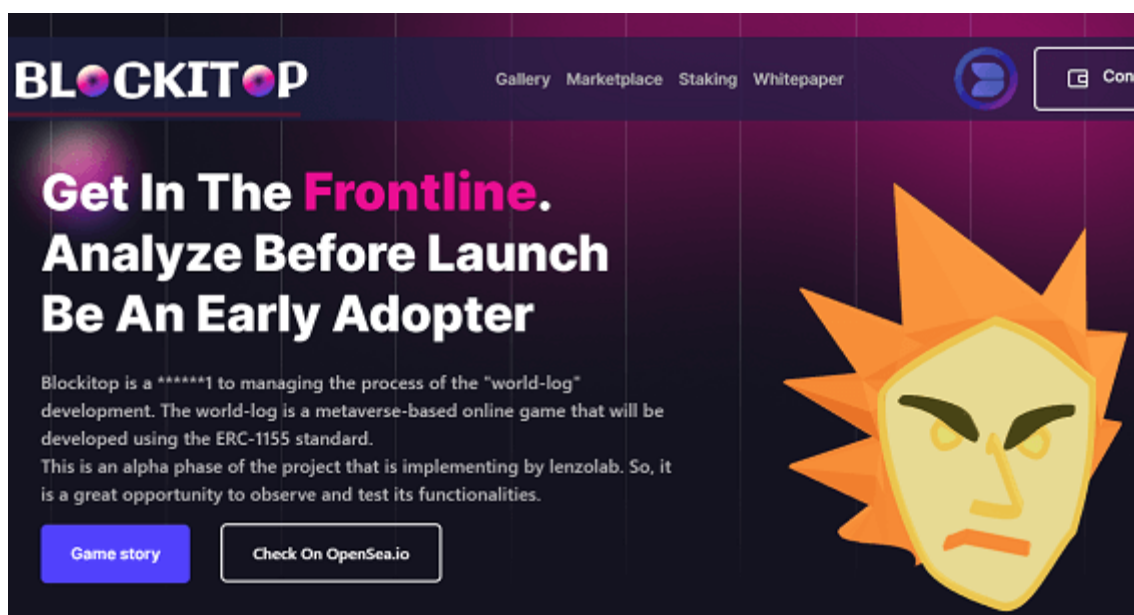
Technologies Used



- Key Features**
- **ERC721 Standard:** Leveraging the ERC721 standard, Blocktop enables seamless minting and management of assets within the project, providing users with ownership and control over their NFTs.
 - **OpenSea Compatibility:** The Blocktop NFT collection is made available on OpenSea, one of the leading NFT marketplaces, allowing users to easily buy, sell, and trade their NFTs
 - **Web3 Integration:** Blocktop seamlessly integrates with Web3 protocols, ensuring a fast and secure experience for users interacting with the project. This integration allows for efficient and reliable interactions with blockchain technology.
 - **IPFS Integration:** Blocktop utilizes IPFS (InterPlanetary File System) for permanent and immutable storage of NFT-related data.

Additional Information

[Project Website](#) | [GitHub Repository - Smart Contract](#) |



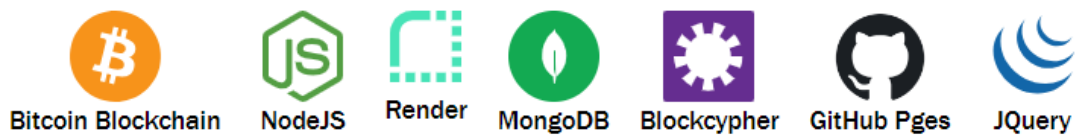
BitcoinWallet MVP - Exploring the Power of HD Wallet Technology::

Title Bitcoin Wallet

Short Description Check out my BitcoinWallet MVP mini project, where the power of HD wallet technology takes center stage. This project serves as a showcase of my expertise in harnessing newly-raised technologies to create innovative solutions. Witness firsthand the seamless integration of HD wallet structure, offering enhanced privacy and flexibility, paving the way for future advancements in cryptocurrency management.

Project Duration Around 1 month.


Technologies Used



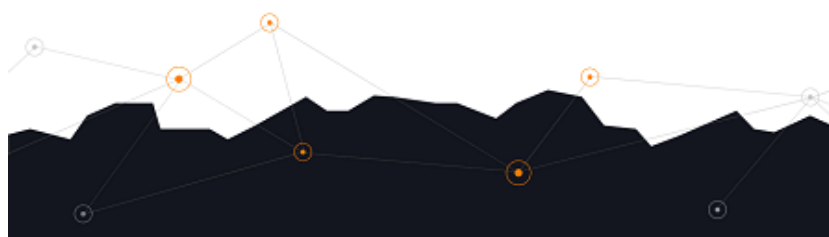
- Key Features**
- **HD Wallet Structure:** Embrace enhanced privacy and flexibility with our implementation of Hierarchical Deterministic (HD) wallet structure. Safeguard multiple addresses and transactions while maintaining a high level of security.
 - **MVP Functionality:** Witness essential functionalities tailored to the specific needs of a Bitcoin wallet, setting the foundation for a fully-fledged and secure cryptocurrency management platform.
 - **On-Demand Wallet Generation:** The system automatically generates new wallets and dedicates them to new users upon registration, ensuring a seamless onboarding experience.
 - **Enhanced Security:** Rest assured that the private keys of user's wallets are never stored in the database or any other location and are never revealed to anyone, ensuring top-notch security for your digital assets.

Additional Information

[Project Website](#) | [GitHub Repository - UI](#) | [GitHub Repository - Server](#) |

 Bitcoin Wallet

Welcome to my MVP Custodial
Bitcoin Wallet project.



*More projects from my portfolio will be added soon, including previous works not featured here. Stay tuned for updates!