Presentation On

Web 3.0 and Blockchain Based Decentralized Social Connectivity Web Application

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INTRODUCTION

Centralized social media lacks privacy, content ownership, and invites arbitrary censorship, urging a decentralized solution.

Our Next.js, Solidity, MongoDB, and IPFS-based platform prioritizes privacy, grants content ownership, and ensures a censorship-resistant environment.

Integrating technologies, our platform provides data control, enhanced security, and a democratic, user-centric social media experience.

SCOPE AND OBJECTIVES

Scope

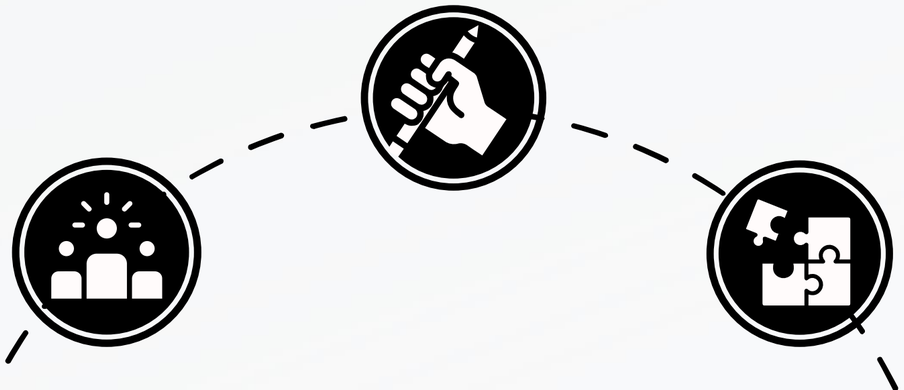
Develop user-centric social media with Next.js, Solidity, MongoDB, and IPFS, focusing on privacy, content ownership, and censorship resistance.

Objective 1

Implement robust security via Ethereum smart contracts, ensuring encrypted data storage and transparent interactions for user trust.

Objective 2

Enable users with enhanced digital autonomy using IPFS for decentralized storage, ensuring ownership and control over data and interactions..



TECHNOLOGY STACK

NEXT.JS

React framework for scalable web apps, ensuring a seamless user interface.

Decentralized protocol for secure, resilient storage and sharing of content.

solidity

Secure language for decentralized app development on Ethereum blockchain.

For ensuring secure and transparent transactions in our decentralized social media platform.

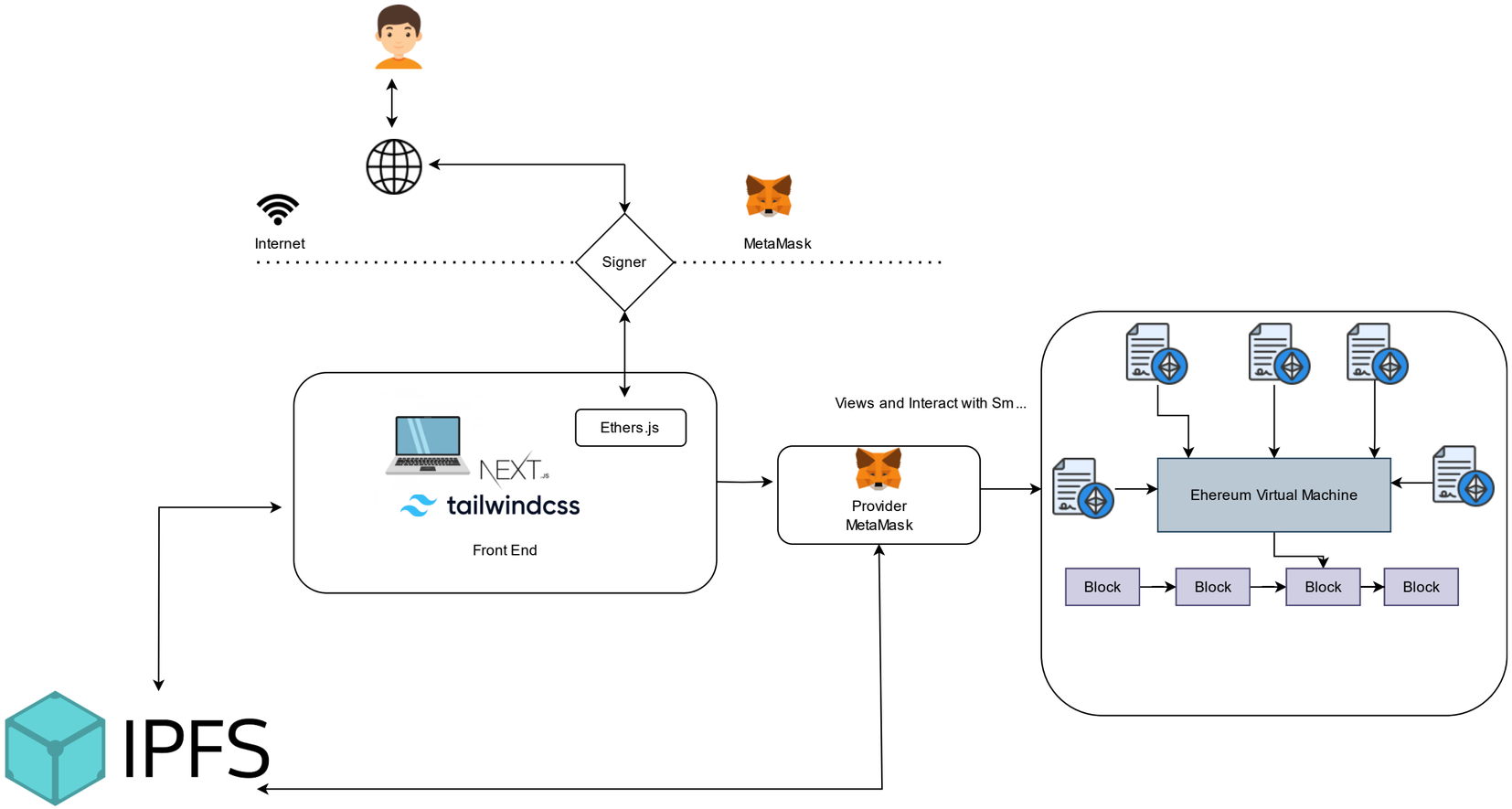
mongoDB

NoSQL database for flexible and scalable user data storage.

TRUFFLE

Ethereum's go-to framework for streamlined smart contract development, testing, and deployment.

ARCHITECTURE



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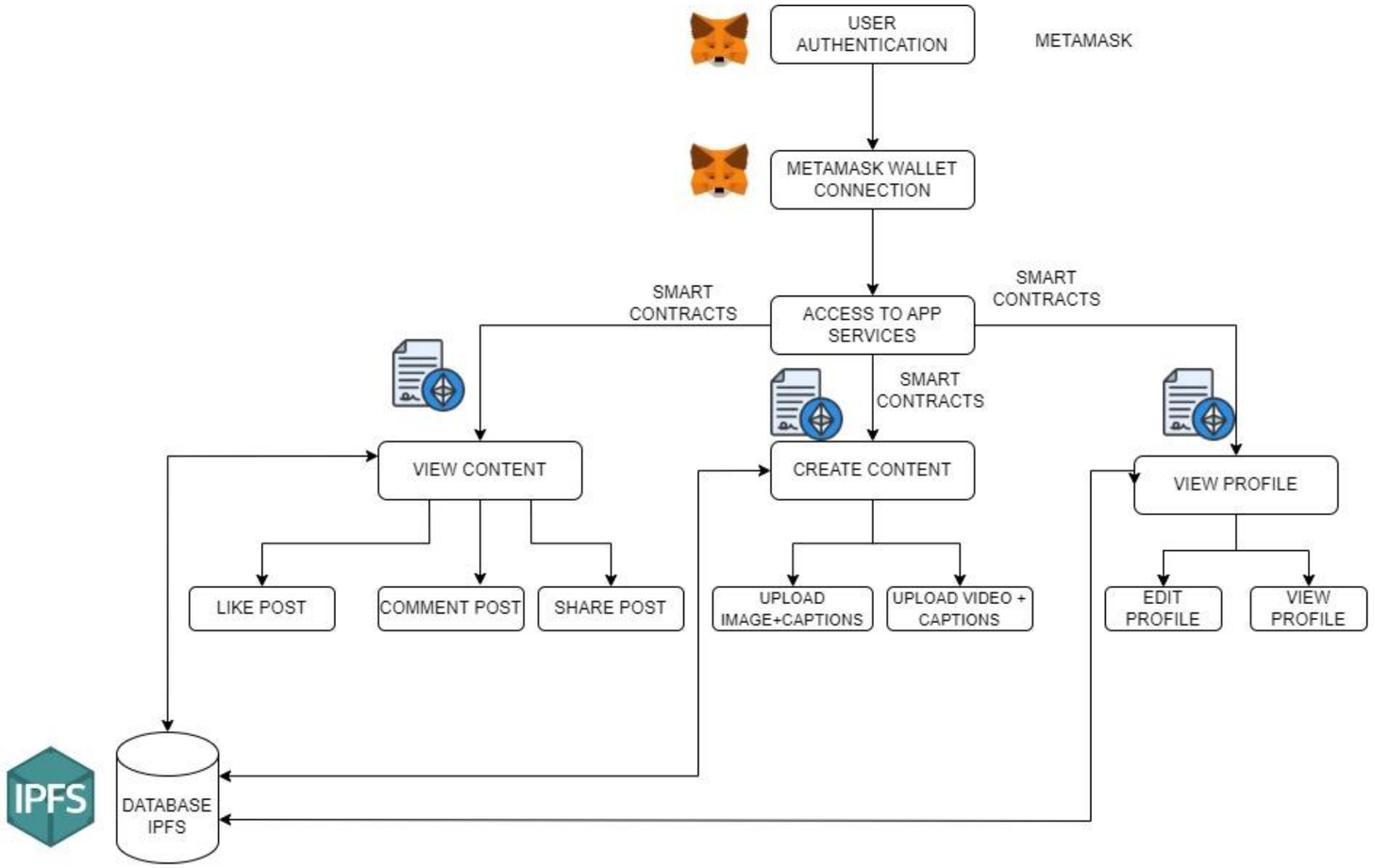
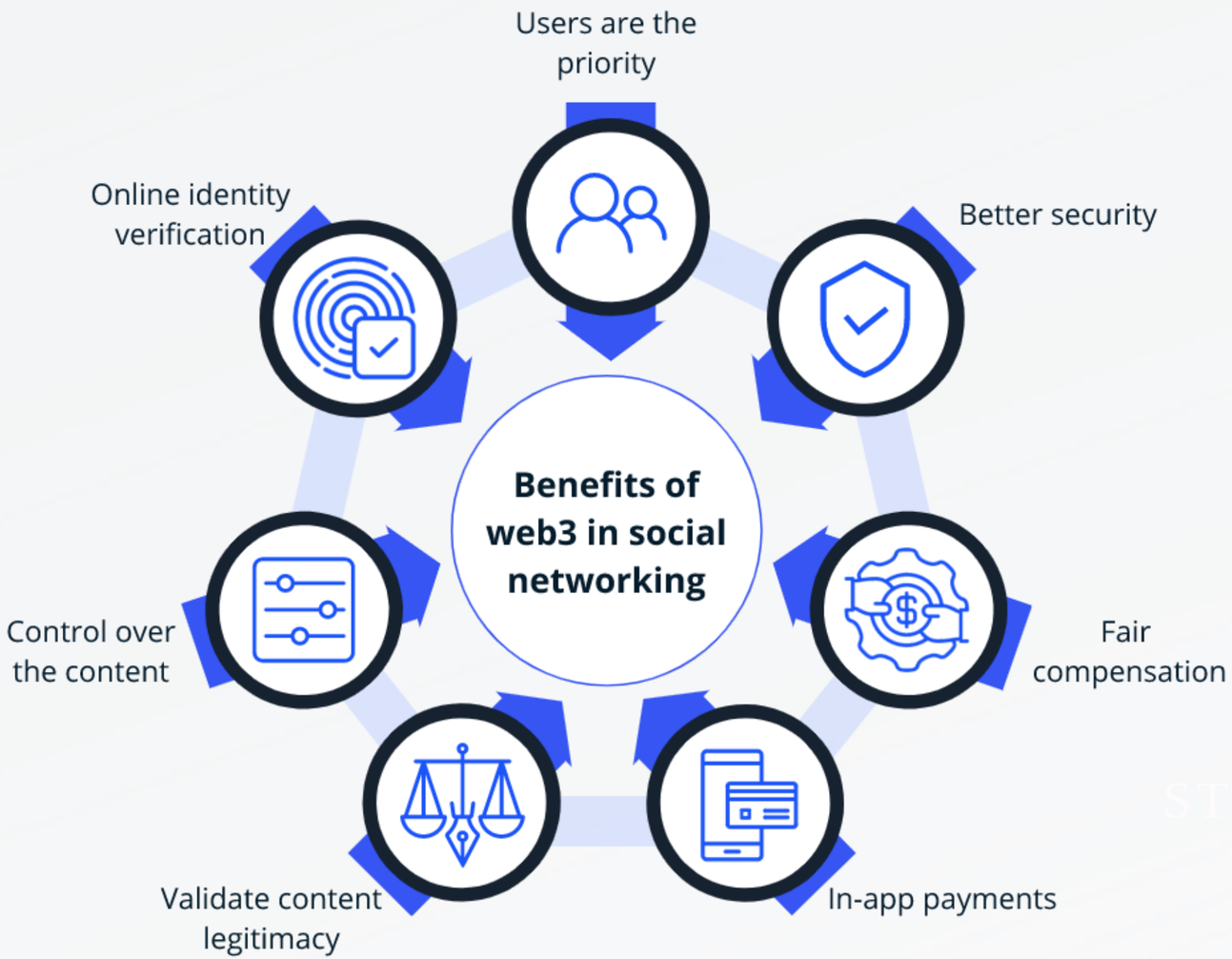
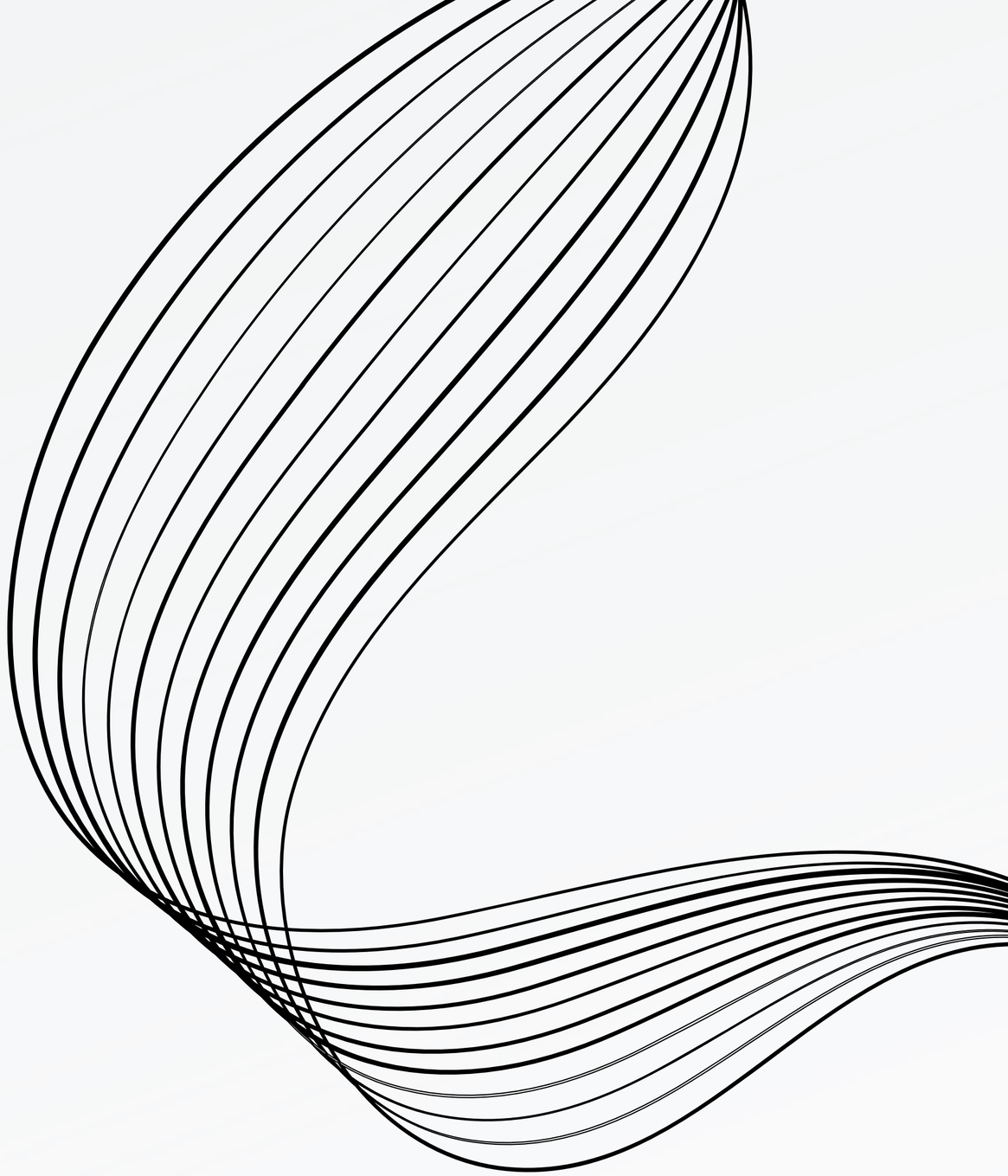
PROCESS FLOW



BENEFITS OF WEB 3.0



CONCLUSION

- Surpassing Web 2.0, our decentralized platform ensures superior user privacy and content ownership, reshaping digital interactions.
- Next.js, Solidity, MongoDB, and IPFS empower users with unprecedented control, departing from centralized norms.
- Paving the way for a user-centric future, our project stands out in its commitment to security and transparency.

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