DDMONITOR

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Poweful Decentralized Data Monitor

Solana HyperDrive Hackathon 2023

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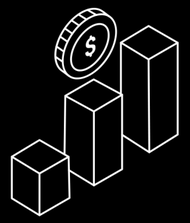
Present Pain Points

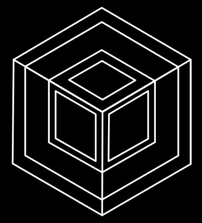


Limited Data Storage & High Gas Fee

The on-chain data storage is limited and lacks flexibility, while gas fees are high.

High Development Threshold

Off-chain resources are abundant but lack transparency as well as the development barrier for Solana is relatively high.



Difficulty in Up-linking Off-chain Resources

Offline resources have a wide range of access but require complex integration and the maintenance of a central nod.

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Our Solutions

1

Sending data instructions via Solana.

2

Performing comprehensive data operations via data instructions

3

Storing data operation rules and message history on-chain.

4

Leveraging Solana's extensive node ecosystem for access point scalability.

5

Reducing the operational barrier of Solana through the encapsulation of websocket and data writing.

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So, what's ddmonitor?

A Powerful Decentralized data system.

The server portion is implemented using smart contracts and deployed on-chain.

For the client-side receiving component, any protocol compatible with WebSockets can be used for encapsulation.

The data writing part is achieved by invoking smart contracts for data storage.

As a whole, the system relies on the Solana network, enabling any device or program that can connect to the Solana network to access DDMonitor.

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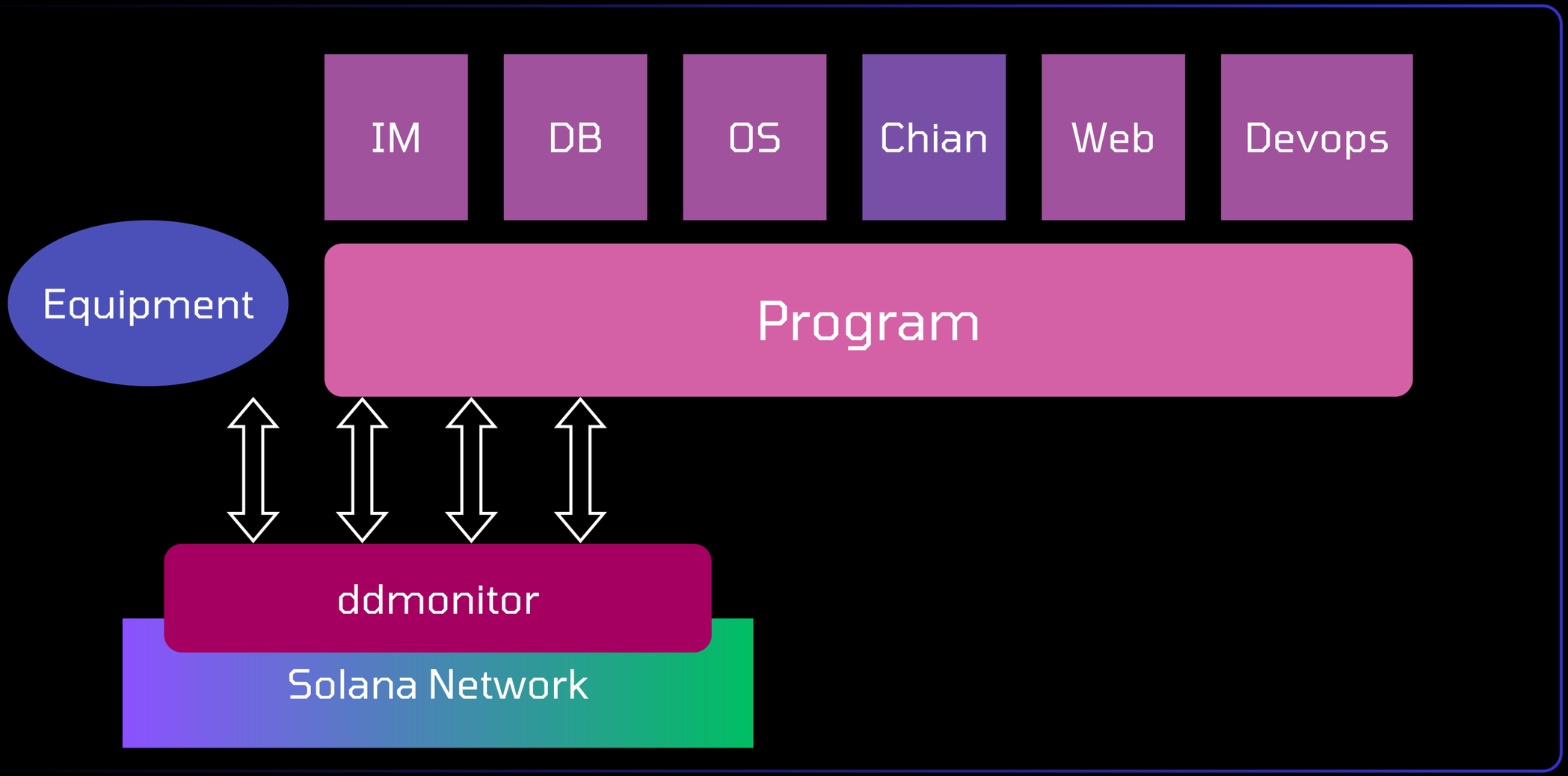
Application Designs



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DDMonitor Developer Team

Feel free to reach out!

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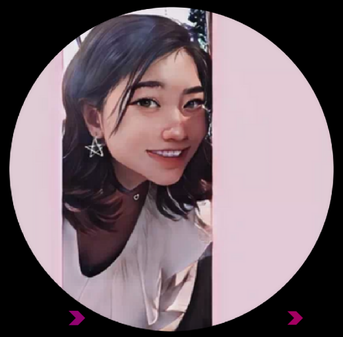
A full-stack application developer with a decade of experience in the internet industry, specializing in Linux systems and cloud-native application development.



Shirlene

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A former tech media writer and seasoned digital nomad, dabbled in Python and AI. Currently, a rotating host at several dev communities.