

On-chain data as the foundation of new Web3 apps – Dashboards, Routers and AI Agents

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What is it?

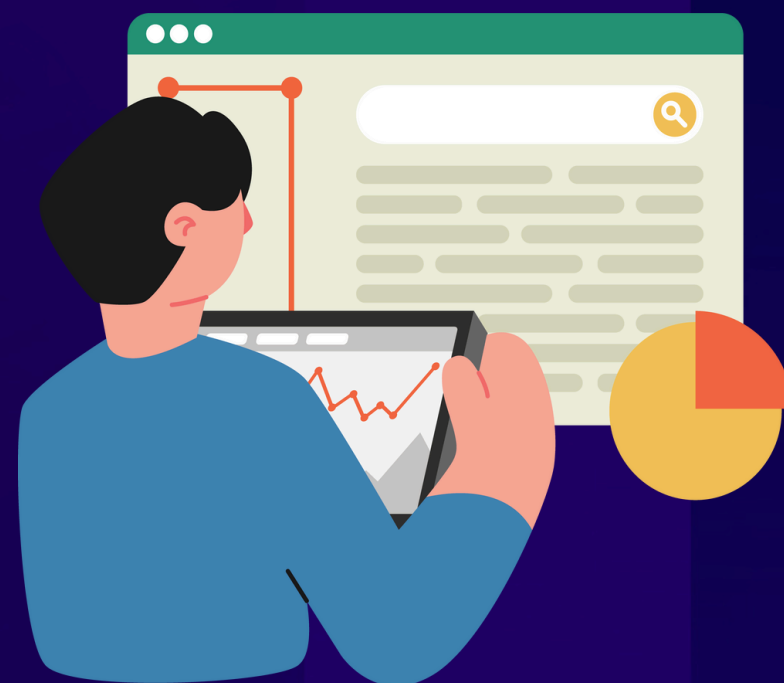
All the data stored on blockchain, extractable via a node:

- Block Headers
- Transactions
- Logs / Events
- Results of smart contracts functions



Technically...

Possible projects



Analytics and
Backtesting



AI Agents



Trading Tools



Analytics and Backtesting

Market Size

The blockchain analytics market could grow from \$226 million in 2020 to \$1.6 billion by 2027 (CAGR of 37.6%). As a developer in this area, you might be tasked with creating

Blockchain Analytics Firm [REDACTED] Raises \$75M Series B Led by [REDACTED] To Help Investors And Businesses Gain Competitive Insights Into Emerging Crypto Trends

Blockchain analytics startup [REDACTED], announced a \$170 million Series F funding round led by Singapore sovereign wealth fund [REDACTED] That brings the

[REDACTED] Raises \$60 Million To Accelerate Safe Adoption of Cryptoassets By Mainstream Financial Markets

1. Token Terminal for Crypto

The Problem

Technical Analysis is a **derivative of price**, everyone is using it – we need something more...

The Solution

An analytical tool that allows you to scan any **ERC-20 token across multiple chains** from an order flow perspective.

1. Token Terminal for Crypto

– what data do we need?

For multiple chains:

- ERC-20 Tokens details
- Liquidity Pools and DEXes
- Swaps
- Sentiment Indicators



2. Fraud Investigation tool

The Problem

Tracking stolen or laundered crypto funds is extremely difficult for law enforcement due to:

- **Complex token flows**
- **Use of mixers, bridges**
- **A lack of automated tracing tools**

The Solution

A forensic tool that **helps** law enforcement **trace stolen or illicit funds**, **analyze token movements**, and **track down final destinations** (even across multiple chains).

2. Fraud Investigation tool

– what data do we need?

For multiple chains:

- ERC20 tokens details
- ERC20 Transfer events
- Wallets details



3. Uniswap Research

NOTE: The Uniswap Foundation provides **grants** for **builders** and **researchers** to improve user experience

Potential research areas:

- **MEV** (The true size of market inefficiencies)
- **Stablecoins Volatility & Liquidity of Digital Assets**
- **Protocol Fee Analysis**

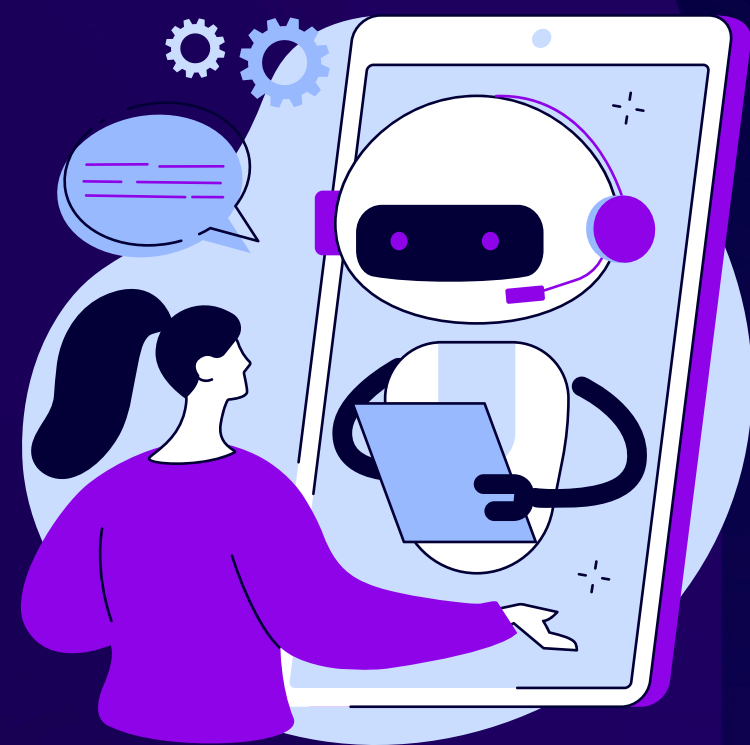
3. Uniswap Research

– what data do we need?

It strongly depends on what you want to explore.

For multiple chains:

- Liquidity Pools and DEXes details
- Liquidity Amounts on LPs (Token Reserves)
- LP Events (Swap, Burn and Mint)



AI Agents

1. Personal Portfolio Assistant Agent

– what data do we need?

For multiple chains:

- **Liquidity Pools and DEXes** details
- **Liquidity Amounts on LPs** (Token Reserves)
- **LP Events** (Swap, Burn and Mint)



2. Trading Execution Agent

Problem

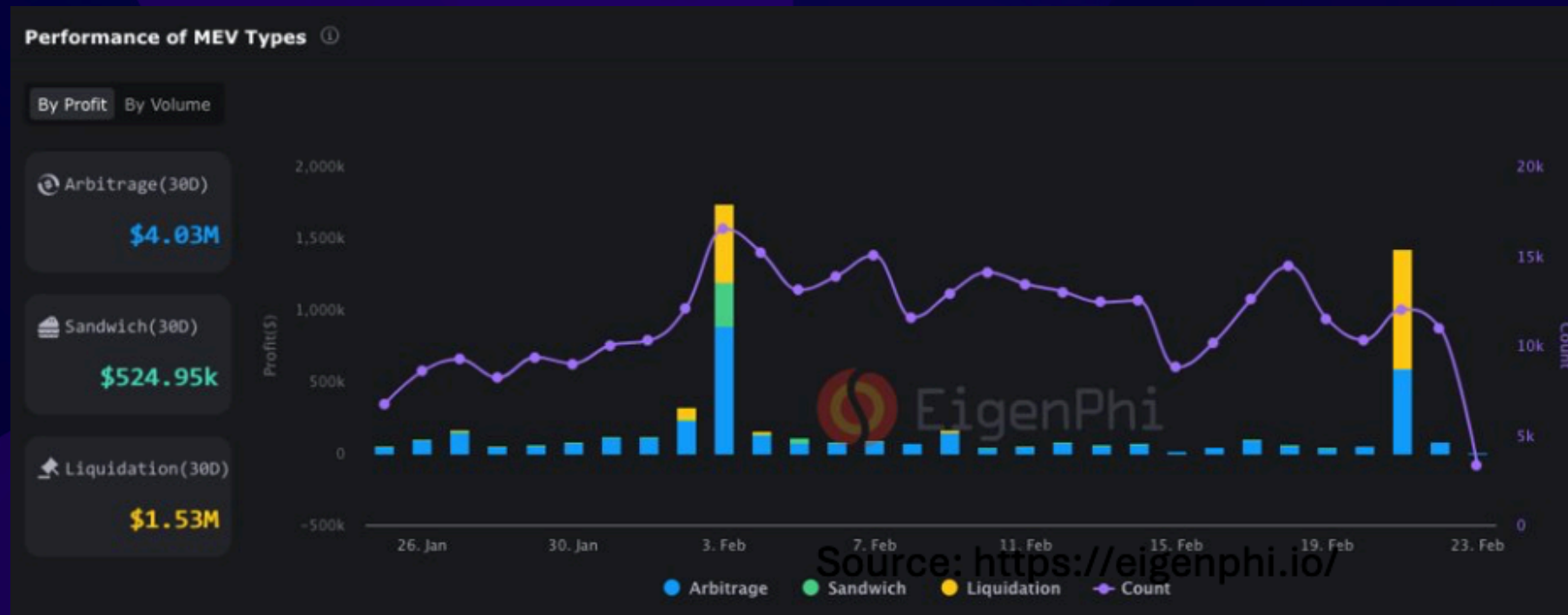
Imagine you want to buy 100M \$ of token ABC, you need to be careful because your order has a massive impact on the market.

Solution

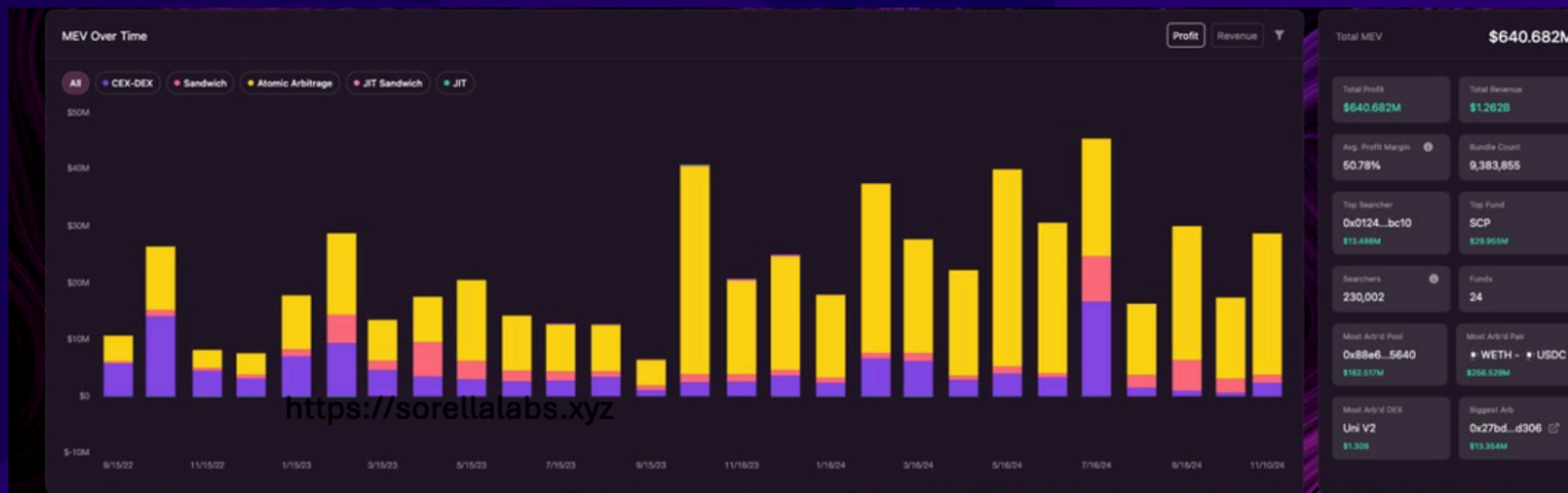
You need to **split** this **huge order into smaller ones**, proportionally to the amount of liquidity available on each exchange.

NOTE: liquidity may fluctuate dramatically even in the same block
see JIT liquidity attack on Uniswap V3

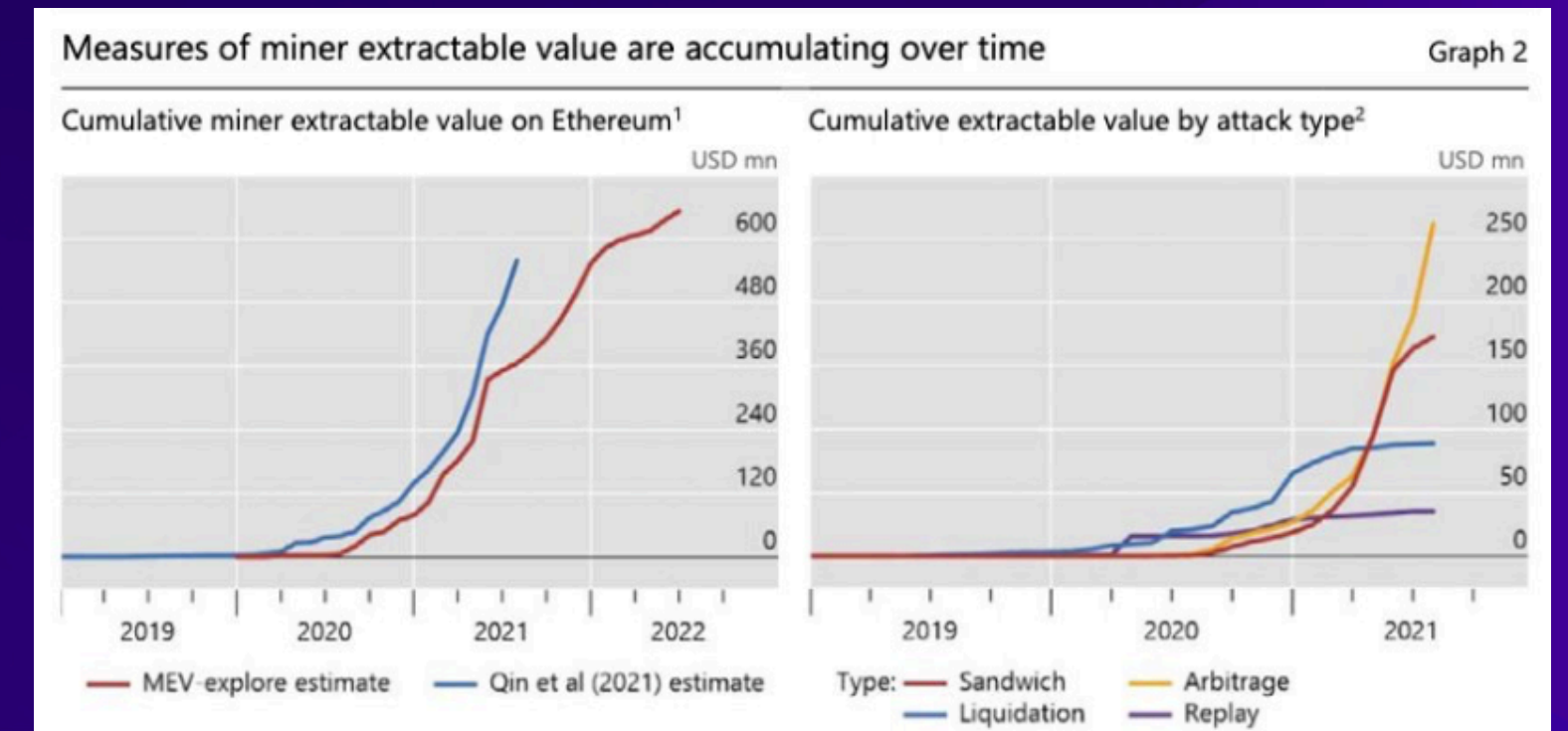
The problem with MEV



Source: <https://eigenphi.io/>



Source: <https://sorellalabs.xyz>



Source: <https://www.bis.org/publ/bisbull58.pdf>

2. Trading Execution Agent – what data do we need?

For multiple chains:

- Liquidity Pools and DEXes details
- Liquidity Amounts on LPs (Token Reserves)
- LP Events (Swap, Burn and Mint)



3. Yield Farming Optimizer Agent

Problem:

users struggle to **maximize yield** due to:

- High gas fees from manual rebalancing
- Impermanent loss & inefficient farming strategies (esp. on V3)

Solution:

An **AI-driven agent** that **automatically finds, allocates, and rebalances** assets across DeFi platforms for **maximum yield** with **minimal risk**.



3. Yield Farming Optimizer Agent

– what data do we need?

For multiple chains:

- Liquidity Pools details
- Liquidity Amounts on LPs (Token Reserves)
- LP Events (Swap, Burn and Mint)





Analytics + AI = Trading Tool

1. The Perfect Router

NOTE: MEV (Market inefficiency) exists because prices are not equal over trading venues (CEXes and LPs)

So if we:

1. Calculate available liquidity on every single LP and CEX
2. Split our swap proportionally according to these calculated numbers
3. Send all of these small transactions into miriads of Pools and Cexes



No MEV has been created. None.
Prices would be equal everywhere.

2. The Augmented Wallet

Instead having 10 different trading apps, you can augment the app that all crypto users have – wallet.

Imagine a wallet that allows you to:

- Analyze every token between top 20 chains
- Buy and Sell at best price possible
- Auto adjust Uniswap V3 liquidity position to optimal price range
- Auto-suggest when the market is overheating

Thank you!



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Let's connect!