ApeBlendr

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About me

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ApeBlendr

What I've built

No-loss savings game built on top of ApeCoin and ApeCoin Staking, utilizing Chainlink and The Graph.

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How it works

- Users deposit **$APE** into the **ApeBlendr** smart contract

- **ApeBlendr** stakes the deposited **$APE** into the **ApeCoin Staking** contract and starts accruing rewards

- Every week 1 random winner is drawn and earns all the accrued rewards for the respective period

- Non-winning players never lose their principal

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Chainlink Integration

- **ApeBlendr** extends **Chainlink's VRFv2Consumer.sol** and requests a random number every time the period is over

- A **Chainlink Upkeep** checks periodically if the time period is over and triggers the draw request

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The Graph Integration

- **ApeBlendr** emits events every time a prize is awarded or when a player enters/exits the **ApeBlendr**

- **The Graph** is utilized to index the respective events and provide stats for all the latest winners + total players in the **ApeBlendr**

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Demo

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Tech Stack

- **ApeBlendr, ApeCoin** and **ApeCoin Staking** deployed on Ethereum Goerli

- **Alchemy** for **RPC Node Provider**

- **WAGMI React** hooks and **ConnectKit** for **Web3** connection

- **Subgraph** deployed on **The Graph Hosted Service**

- **Next.js React** frontend deployed on **Vercel**

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Future Plans

- Get audited from respected solo auditor or company

- Improve UI/UX design and look-and-feel of the DApp

- Launch on Mainnet with the support of the ApeCoin DAO and contribute to the ApeCoin community

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