Home exploration

Senior Data Analyst

In the next interview stage we will talk about your analytics experience and knowledge. For this we would like for you to explore our web application and some publicly available data sources.

The goal of this home-exploration is for you to gain some context around the Safe and think about how you would approach data analysis of the product. For this we listed some example questions that we might ask in the next interview stage.

Before the interview, please share any scripts or queries you created with us. Please note you will be expected to present your findings in the next interview stage.

During the interview, the focus will be more on how you would approach different aspects of the data analyst role, and less about the concrete ideas / activities you would undertake, as there is obviously a lot of context missing to make educated decisions.

1. Create a Safe

- **Create a Safe on an Ethereum Testnet (e.g. Görli) and make a transaction.**
  For this task you will need some Görli ETH. There are a number of faucets out there where you can request funds:
  - *https://fauceth.komputing.org/?chain=5*
  - *https://goerli-faucet.mudit.blog/*
  - *https://faucet.paradigm.xyz/*
  - *https://goerlifaucet.com/*
  - *https://faucet.quicknode.com/ethereum/goerli*

  In case these aren't working, please send us your address on Görli and we will send you testing ETH. Please do not use any real funds for this task.

  Before the interview, please share a link to the transaction that you have made

2. On-chain analytics

- The Safe is built on Ethereum (+ other EVM-based blockchains). We use Dune for most of the blockchain analytics. You can find popular dashboards and also our general Safe Ethereum dashboard there. The queries behind each chart are public, you can examine them.
- **Please write a simple query on Dune that would fetch the list of Safes on Ethereum mainnet that have been created but never made any transaction after creation. (The free account on the platform is sufficient for this task.)**

  Please share the Dune link of your query with us before the interview.

3. APIs

- There are various APIs that can be leveraged for data analysis such as**:**
  - Ethereum JSON RPC endpoints (e.g. via Infura)
  - Etherscan
  - Backend services of the Safe project
- **Please write a script that uses this endpoint to count the number of "WalletConnect transactions" made with this Safe.**

  Please share the script with us before the interview via Github or similar.

  "WalletConnect transactions" are those that contain the word "WalletConnect" in the "origin" field of the response. A description of the return data form can be found here. It's the endpoint called "safes_multisig-transactions_list".

Potential questions during the interview

- What metrics and KPIs would you track for the Safe?
- How and where would you make them available for the team?
- How comfortable would you be using Dune (SQL) for onchain analysis?
- How comfortable would you be using GA & GTM for product analytics?
- How comfortable would you be using one of the APIs?
  - How would you query data from APIs?
- How would you connect analytics data across different systems (UI tracking, on-chain analytics, APIs)?
- How do you imagine being involved in the product development process and with which roles do you anticipate to interact on a regular basis?
- How do you balance long-term projects vs ad-hoc analysis?

Good luck and have fun!

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