TRF.

A database service.

What Problem does TRF intend to solve.

Nowadays, the majority of businesses and startups have concentrated on developing web3 platforms that are equal to web2 platforms or just converting their current web2 platforms to web3.

The management of time has long been a top concern in the software development industry. It is also given emphasis by TRF in terms of its fundamentals.

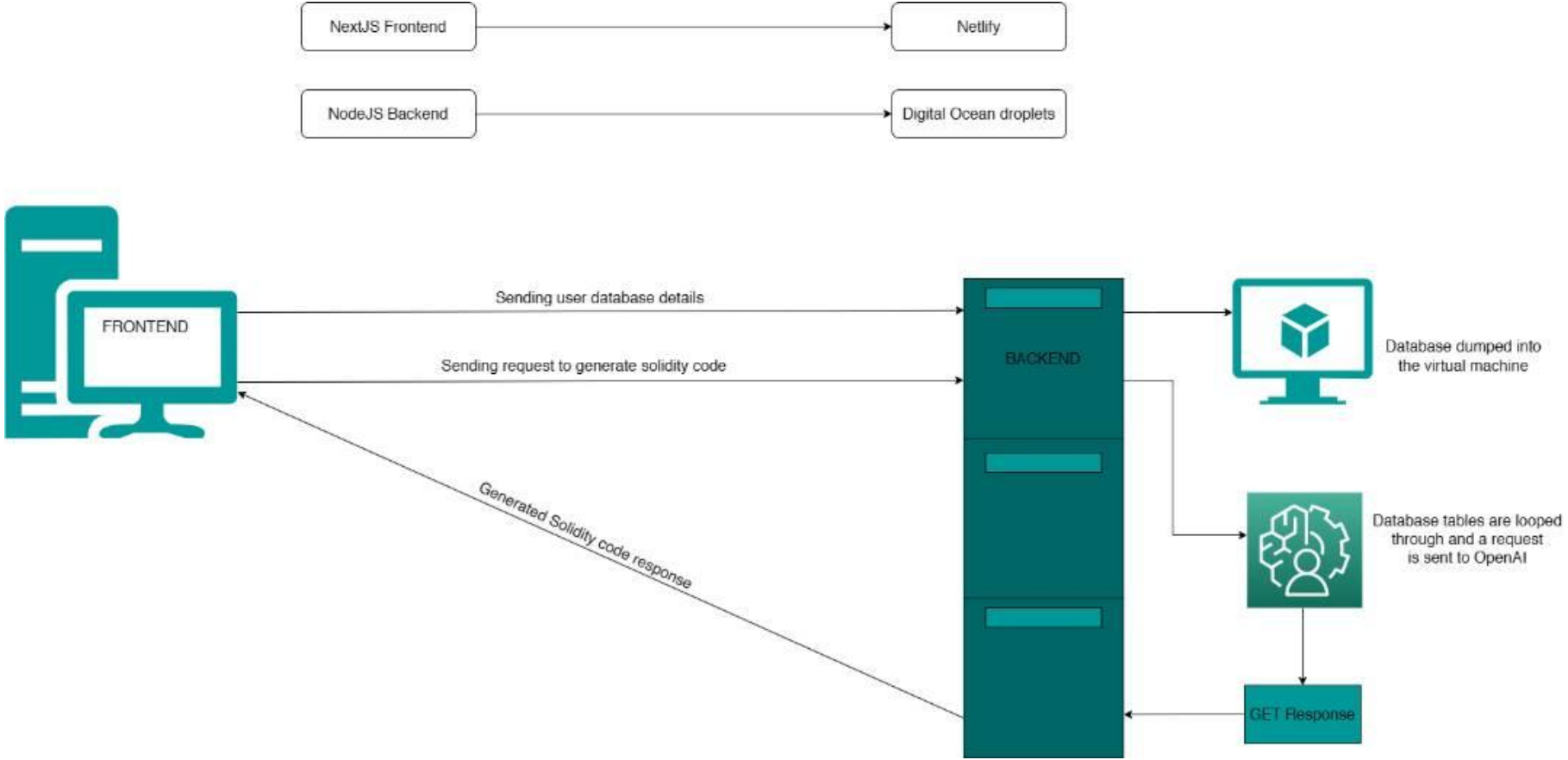
When an existing platform with a large database intends to easily migrate to the blockchain, Developers shouldn't have to start implementing the fundamental functions of these tables in Solidity. They get it done using TRF.

Developmental Process.

When a developer comes to the TRF platform, there is no onboarding process or need for a sign up. You just put in your database details, be it either an MYSQL or PSQL database.

TRF downloads the database and its entire data with no third party involved. You can then proceed to request the solidity codes of each of the tables in your database.

After some minutes of processing , you can easily see the solidity implementation and copy it for your personal use.


NextJS Frontend
Netlify
NodeJS Backend
Digital Ocean droplets
FRONTEND
Sending user database details
Sending request to generate solidity code
Generated Solidity code response
BACKEND
Database dumped into the virtual machine
Database tables are looped through and a request is sent to OpenAI
GET Response

Other Functionalities.

Other than code generation on TRF. Every other developers and even business owners can migrate their data and databases from:

- MYSQL to another MYSQL
- PSQL to another PSQL

What’s Next?

- Currently on the PSQL database migration, we support only PSQL version 14, we plan to include version 15.
- Allow database structure modifications on the platform.
- Allow users to choose which information we should access in their database.
- Improve platform scalability for handling very large databases.
- Put out TRF to platforms like Product Hunt to get feedback for improvements.
- Include billing based on database size for the OpenAI API request costs.

Thank you.