

NFT Vision
Hack

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VariaNFT

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GIBRALTAR FINANCE
HM Government of Gibraltar



Introduction

We are a team of students interested in blockchain, wanting to make creative use of NFT-based technologies much easier.



Yu-Chen (Bill) Wu

Frontend Engineer
Smart Contract Engineer
MS Student @ NCCU CS

Software Development & Engineering



Jun-Yu (Andrew) Chen

UX Researcher
Developer
BS Student @ NTUST EE & CSIE

**UX Design
R&D Engineer**



Chun-Yi (Jonathan) Chang

BD consultant
MS Student @ NTUST TM

Market research & Business Development

Track of choice



Gaming & NFTs

Our project uses NFT.storage to store and serve NFTs via IPFS, thus creators and NFT owners need not worry about the hosting service being shutdown.



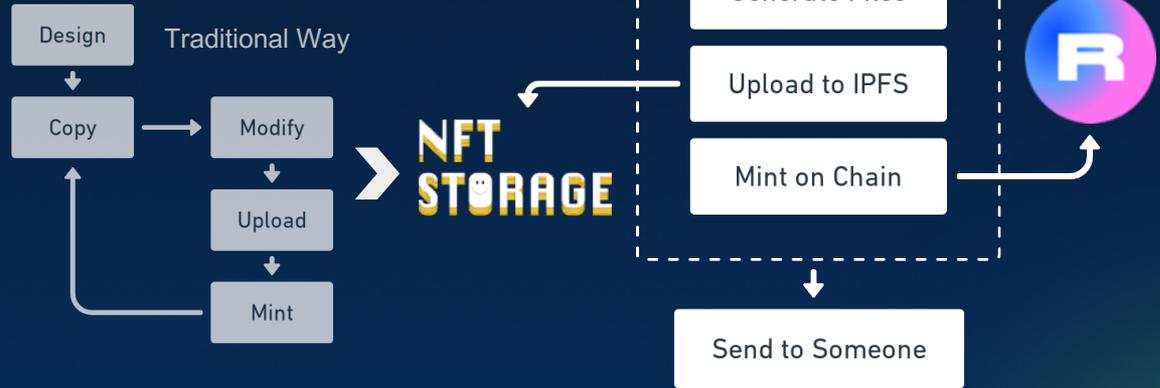
Build on Rarible Protocol

Our project uses contracts and APIs made by Rarible Protocol to provide creators stronger security and allow creators to mint NFTs without deploying a new contract.

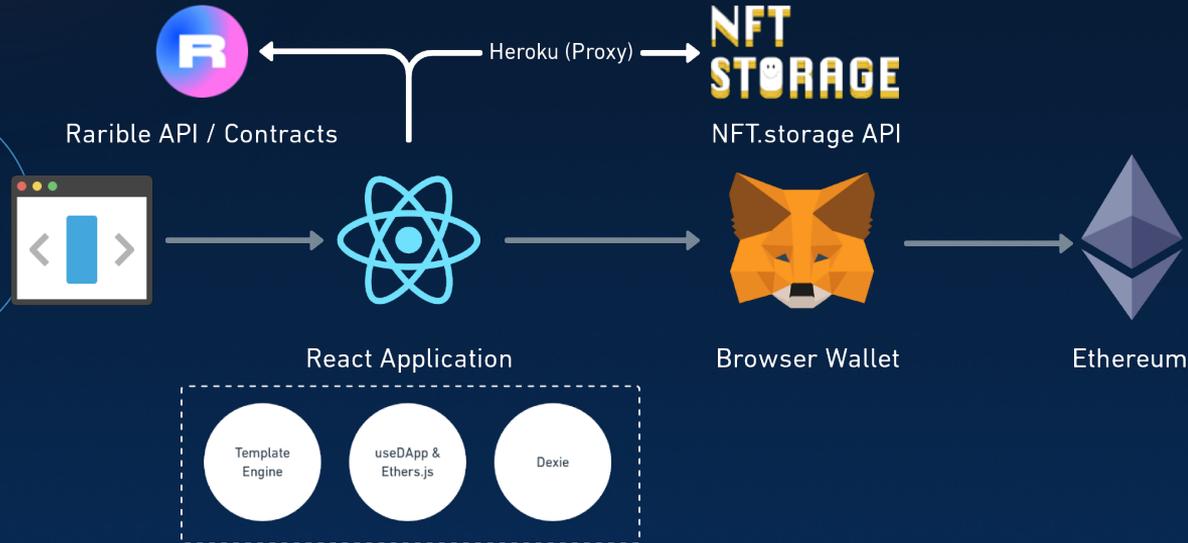
Project

VariaNFT improves the workflow of minting batches NFTs with slight changes, such as membership cards, event badges with names, and so on. In the past, creators had to make them manually, but now the procedure can be simplified with our tool.

With a template engine that turns a template SVG into different images, VariaNFT will generate files and upload them to NFT.storage and mint them with Rarible Protocol.



Technology & Tech Stack



React Application

React apps can be accessed with most modern browsers, with a template engine to dynamically generate images.

API Server (Proxy for MVP)

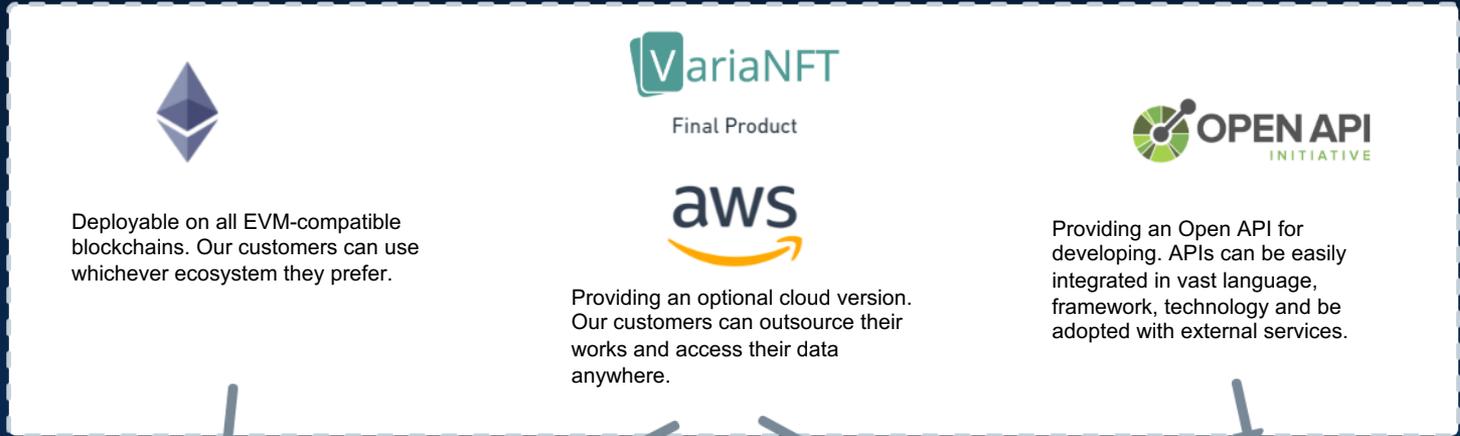
An API server to forward the users' files to NFT.storage and could host users' data in the future, making the app accessible on various devices or users.

Ethereum

Following ERC-721, Rairble, and OpenSea standards, making NFTs made by the app more applicable.

Scalability

As NFTs are getting more and more popular, it has the potential to be adopted into the marketing system, here VariaNFT plays a key role in such success:



Publishers, Companies, Event Hosts and whoever having a list to gift unique digital assets.



Advanced cooperation for teams who want to adopt NFT into their workflow.



Business processes needing to send NFTs automatically



Services with data collection and processing requirements on developer accessible platforms