Zerti

Whitepaper

November 2022

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Introduction

Zerti is a Web3 based project that uses the immutability and transparency of the Blockchain to ensure the validity and trustability of certifications, aptitudes and degrees emitted by institutions, organizations or enterprises/corporations. This makes for a more trustable Curriculum Vitae and complements the employer-employee relationship, making finding jobs easier for everyone.

Problem

The problem we discovered was how untrustworthy a CV can be. Anyone can claim to have attended the best universities and worked for the best companies, making it difficult for a recruiter to trust the resume. We want to avoid that stage, even though they realize he was lying.

Solution

To address these challenges, we will create a system in which the community validates entities. These entities will emit zerts (NFT certificates) and give them to people who complete a course, compete, achieve something, and so on. A collection of zerts will yield a reliable CV.

Why we choose the blockchain

Because we want to give users complete control over their certificates, our project is blockchain-based. This technology is used to secure people's certifications because of its immutability, transparency, and consensus. We chose the Polygon Network to build our DAPP because we can use all of Etherum's infrastructure and advantages while paying low transaction gas fees.

Product

What is Zerti?

Zerti is a DAPP-based professional platform whose main goal is to create the most trustworthy professional resume possible. NFT certificates, "Zerts", issued by community-validated entities, are used to build the resume. There are also traditional social media features such as posts, likes, comments, following people, chatting, and so on.

Zert

Summary

We denominate our NFT Certificates Zerts. We use the ERC55116 token standard, a new EIP created and published by us. We developed a semi-fungible, double-signature, non-transferable token. Check out the documentation on the official page for more information about this token.

Steps

Only validated entities can emit a Zert. We currently use snapshot as our voting engine. The Zert will then be transferred to people who achieve some type of goal, such as finishing a course, winning a competition, graduating from high school, etc. Users have the option to accept or decline the token.

Data

Every Zert will contain data stored on IPFS in JSON format. It will contain a name, description, images, external links, acquired skills, and information about the entity that emitted the Zert.

Entity Validation

We currently use Snapshot.org as our voting engine. After an entity creates their account, the voting process is automatically started. It lasts for 5 days and the result is based on a majoritarian vote.

Advantages

For the people

When validated emisors issue your badges, your Curriculum Vitae becomes more reliable, stronger, and transparent. We protect our users' professional careers by assisting them in developing an impenetrable, strong, and secure professional profile.

For the academy

Academy / Institutions can get the benefit of self-promotion through their certificate assignees profiles.

For the enterprise

Enterprises can benefit from self-promotion by using their certificate assignee profiles. They can also gain benefits by upgrading their profiles to recruiter or enterprise premium, as well as filtering and screening.