



Zerti

Whitepaper

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Table of contents:

Introduction	3
Problem	3
Solution	3
Why we choose the blockchain	3
Product	4
What is Zerti?	4
Zert	4
Summary	4
Steps	4
Token Metadata	4
Entity Validation	4
Advantages	5
For the people	5
For the academy	5
For the enterprise	5

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 aim to resolve is the unreliability of a CV (Curriculum Vitae). Nowadays, everyone can put in their resume that they have worked and studied for the most prestigious organizations and institutions, with the only source of verifiability being the person who made the resume itself. Using the transparency, security and immutability of the blockchain technology, we seek to solve this issue. With community-validated entities issuing certificates(Named Zerts in the app) as NFTs to users, a stronger, verifiable and trustworthy professional profile will be yielded by our users.

Solution

To address these challenges, as mentioned before, community-validated entities will issue Zerts (ERC5516 NFT Certificates) to users. This will provide our users with a stronger, verifiable and trustworthy professional profile.

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 Ethereum'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 ERC5516 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 [Ethereum EIPs 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.

Token Metadata

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 emissors 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. They benefit as well with our filtering and screening services.