

Digital Identity and Verification with Blockchain

Problem statement: Scammers are out to post fake listings and collect your money!

The effects of identity fraud in our system puts Company's at high risk. On the other hand, users may not be that comfortable sharing their personal information with Company and vice versa. In order to solve this problem, we offer the option to rely on blockchain's immutability and cryptographic verification to validate credentials and tie it to a decentralized ethereum identifier.

Solution: Rely on blockchain's immutability and cryptographic verification to validate credentials and tie it to a decentralized ethereum identifier

- Uport — identity manager, think of it as a hub based on ethereum blockchain
- Onfido — identity verification api with Uport integration
- Give users a new label as "Verified User" to create trust and safety

Benefits:

- Reusable Id verification credentials
- We don't want to store sensitive user identity data in a central location, to avoid [large-scale breaches](#). => Less risk for Company, Yaay!
- User is in control of their own data, they get to choose who and what to release their information to
- We want identity claims issued to a user to persist even if the service no longer existed
- Prevents fraud by tying identity to immutable value that cannot be spoofed or stolen easily
- Less fraud since users are strictly verified through the Uport - Onfido flow
- Creates a VerifiedUser credential that can be used across all brands/products: Eg. Payments, applications, agents, buying, selling, renting, etc

Gitlab link to project:

<https://github.com/tatianajiselle/Identity-Blockchain-App>

Demo:

Can be viewed upon request (: