OpenBlock : OpenBadges In Blockchain

A decentralised system for storing the badges and certificates awarded as a token of achievement. Able to verify the credentials instantly and securely, minimising the fraud.

- Diversity : Digital badges available to everyone and can be verified digitally.
- Remote Learning : Recognise the achievements virtually, so physical presence is needed.

Technical Details

OpenBadges, Smart Contracts, Truffle, Metamask.

- OpenBadges are used by education services to keep track of learning. It has a common format that is recognised by various institutions.
- The badges issued are added to blockchain by hashing, using smart contracts.
- Smart Contract has the provision to check the validity of the badge.
- The badge is given to the recipient.

Using Matic Network

We have been using BlockCerts to implement a service which enables badges to be put in the blockchain.

Aims existing and new users and badge providers. Though the implementation was common, it wasn't economic. It was aimed mainly at large clients.

When we heard about Matic recently through the hackathon, we were impressed and decided to give it a try. It is very optimal to use cases of mass adoption.
We were able to cover the major specifications and able to create a system in smart contracts that works on the testnet. (Though we had some difficulties in understanding some of the interactions of components)