

Technologies Business domain Project type Blockchain -Python, Scientific

Research

Based Platform



React/Redux



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The aim was to create a platform for

researchers that removes barriers which

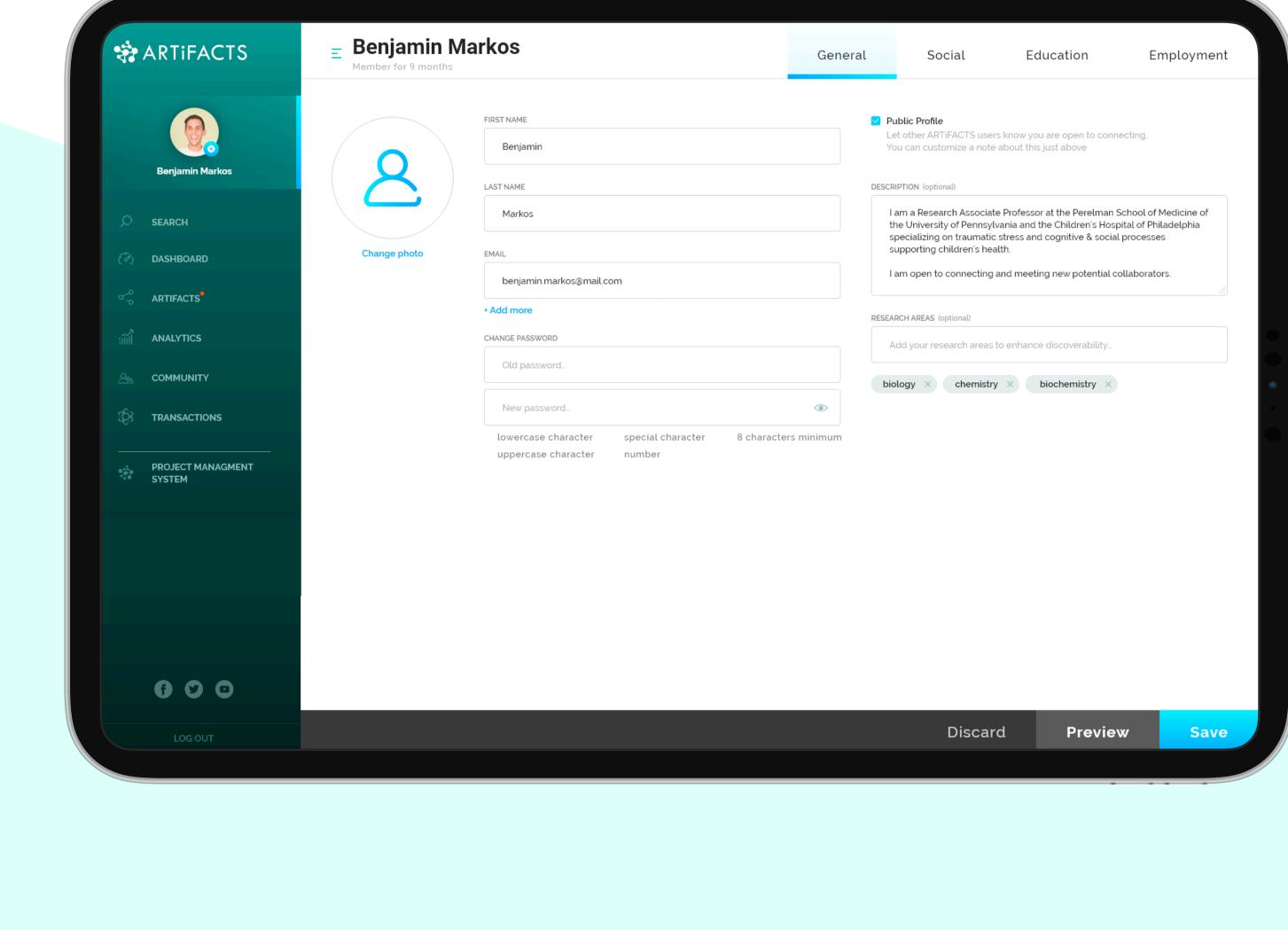
data accessible.

Main functions are the management of

research projects, securing the provenance

of research evidence, and making hidden delay the communication of results and gives scientists formal recognition.

Business overview





how to connect data put on the blockchain with the data inside of the system.

CONNECT BLOCKCHAIN AND

The team needed to organize data structure and

decide: what part to store in the blockchain, and

INTERNAL DATA

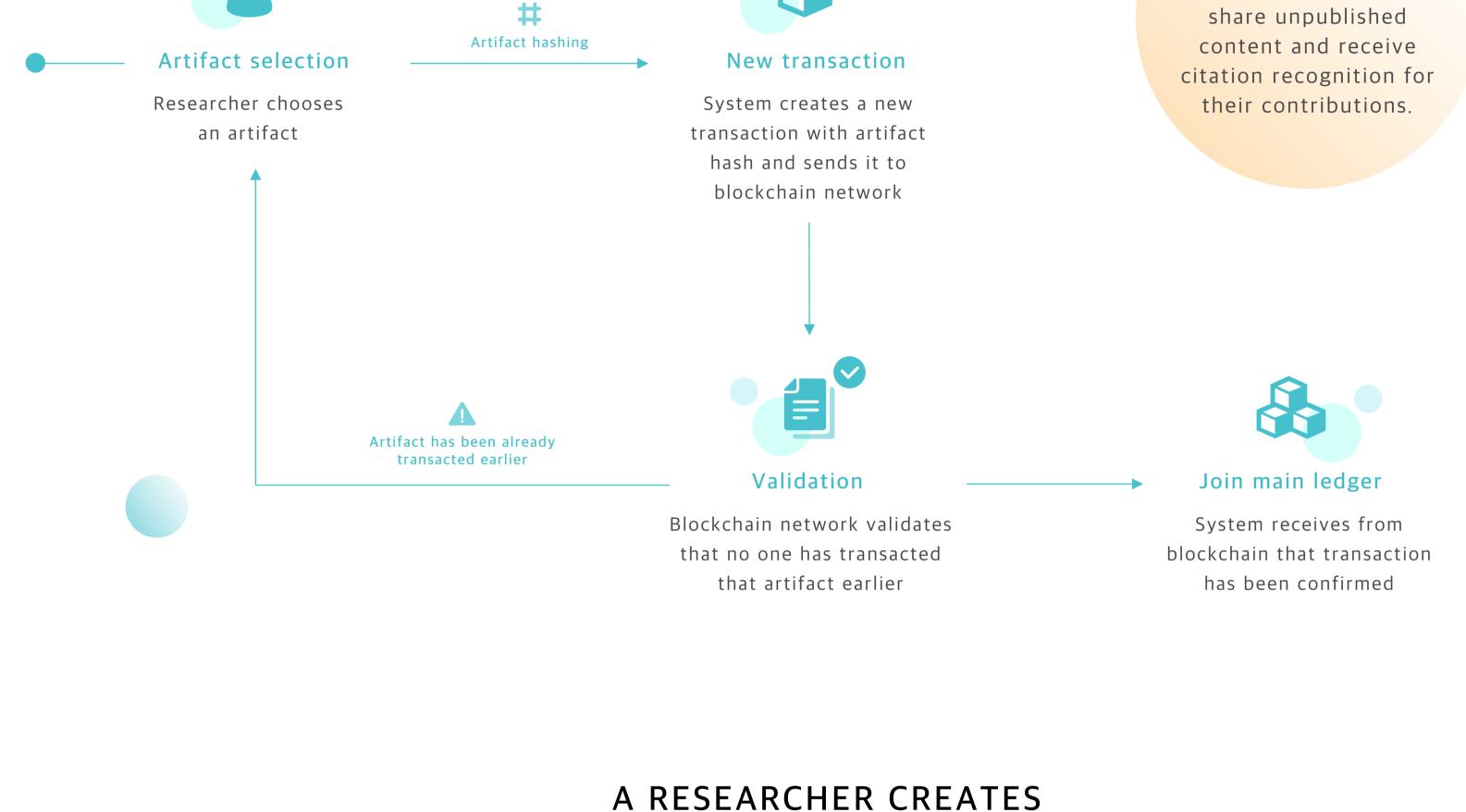
Profit

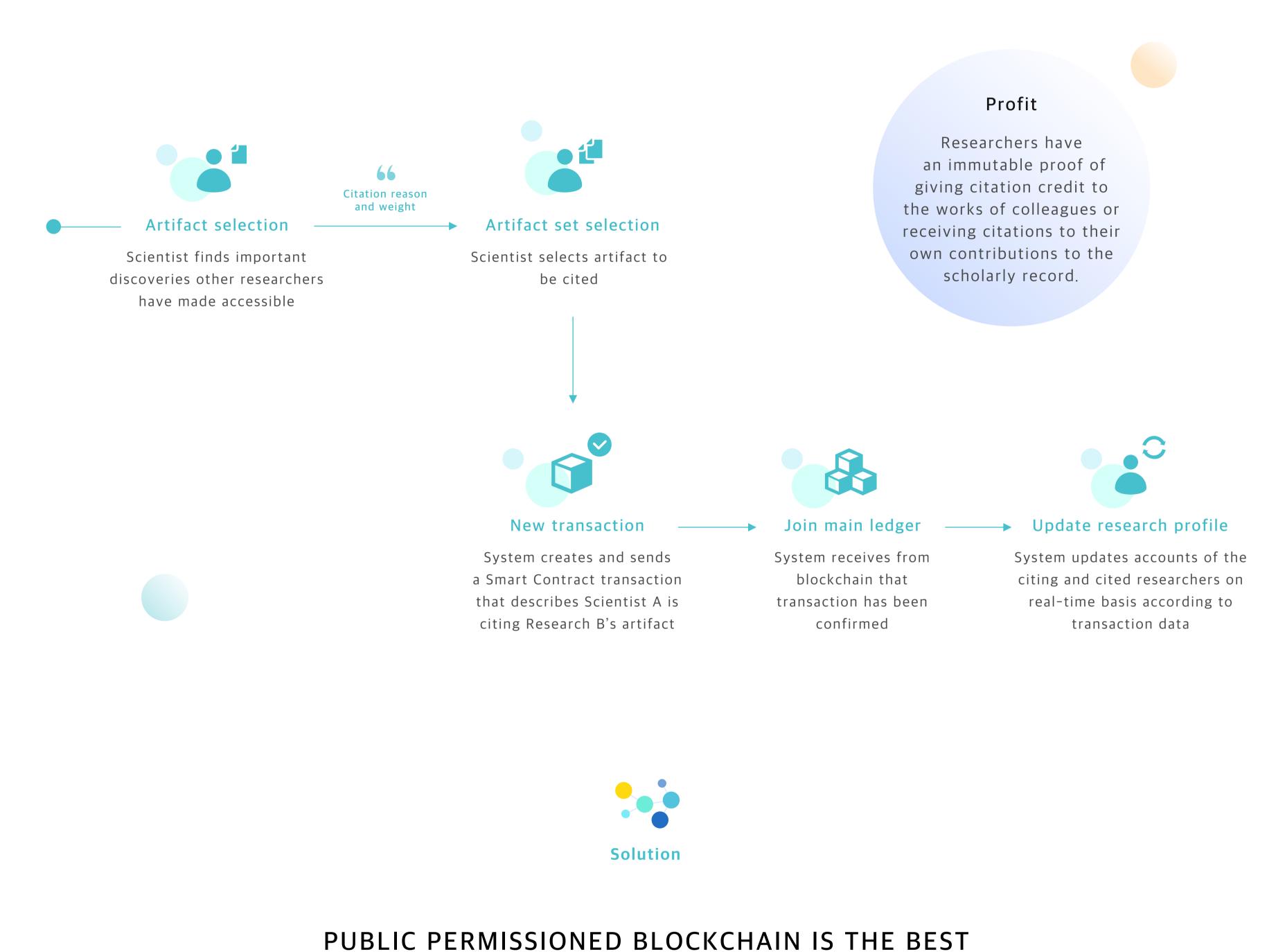
Researchers are able to



A RESEARCHER CREATES

A PROOF-OF-EXISTENCE TRANSACTION





A CITATION TRANSACTION ON THE BLOCKCHAIN

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SOLUTION IN THE CURRENT CASE

Elaboration of specific algorithms for data identification and validation; Use of Grafana - an open platform

The first version of the product was based on Ropsten

framework options for building a private blockchain, we

solution in the current case.

for analytics and monitoring;

Continuous production update

of internal processes;

for business needs and optimization

decided the use of Hyperledger Sawtooth will be a better

(Ethereum trial network). However, after analyzing various

Multi-use garbage truck Haut und Epithel, Verschiedenes Peek Shane, Ford Richard, Beaver Ken, Parker Brian, Gentry Chad, Mckinney Bobby, Bedwell John, Smith John, DASHBOARD ARTIFACTS Smith John Smith John 1 of 1 artifacts selected MY PROJECTS Subsea Electrical Submersible Pumps At Large Step-Out Distances WALL SOCKET FOR WATER OR OTHER Leslie Dave, Al-Mashgari Ahmed, Christmas Dave, Breit S., Smith John, 1997 Smith John Smith John 2 of 2 artifacts selected biology chemistry biochemistry

Hicks Michael, Parkes Adrian, Nixon Keith, Taylor John, Ashcroft Ian, Lamb Richard, Bennett Robert, Smith John,

In this regard, we developed a data transfer strategy to move

the data from Ropsten to the new private blockchain Sawtooth.

Our client's partners didn't have experience in using Sawtooth,

which is why we created a technical manual and a set of

recommendations for establishing this blockchain network.

After signing up a cooperation agreement with Max Planck

Public Permissioned Blockchain.

Artifacts

Smith John

1 of 1 artifacts selected

A method for pipe repair

Digital Library, their bloxberg blockchain network became the

Proposed

Smith John

1 of 1 artifacts selected

1 of 1 artifacts selected

Walker Robert, Smith John, 1901

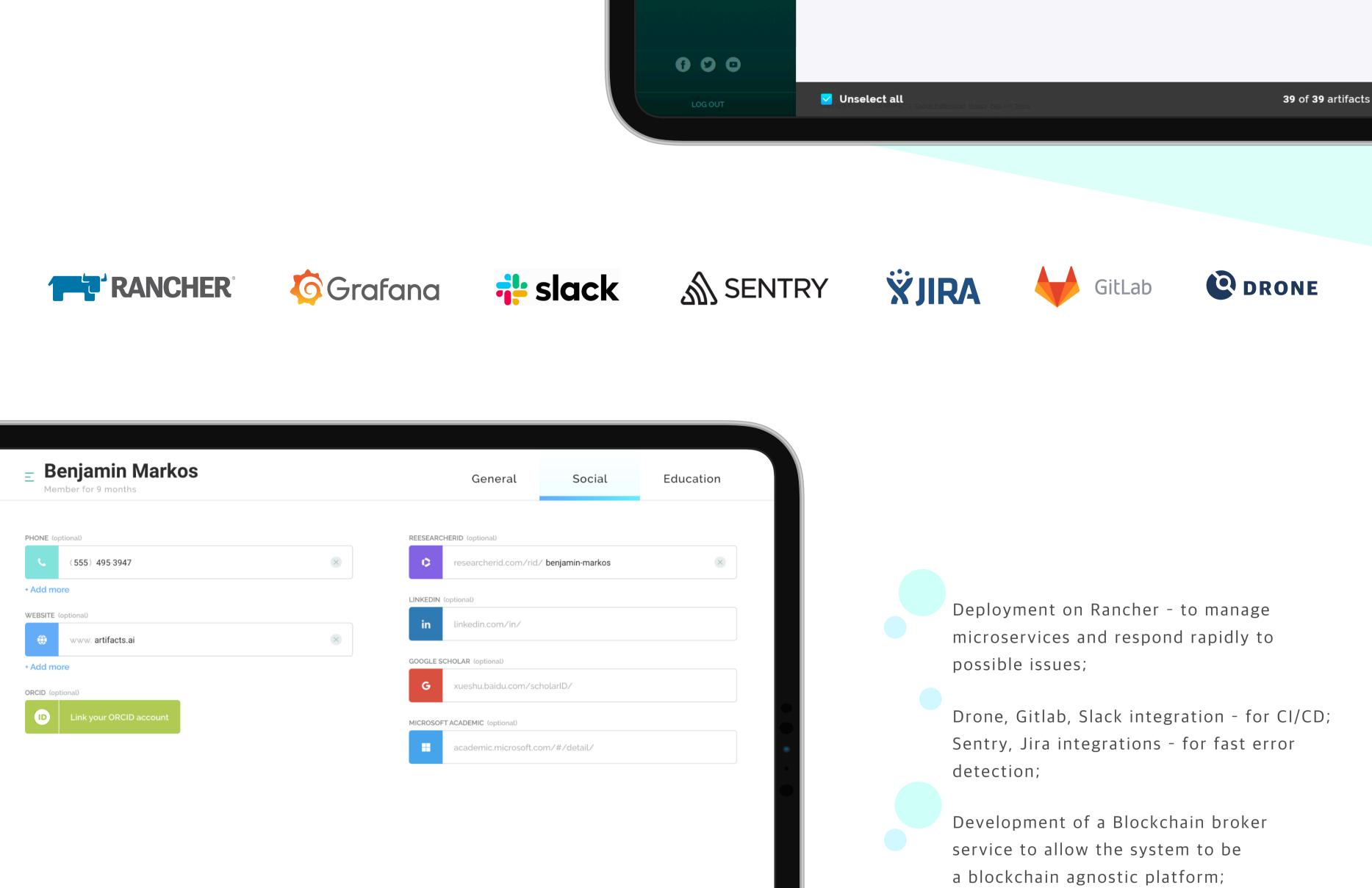
1 of 1 artifacts selected

✓ -1837: 1731–1837

Records of Social and Economic Histo

Manning Sarah, Morse Thomas, White Samuel,

Goltz R., Hult A., Pozzuoli R., Geiler Gottfried, Pfe Bolognani Lorenzo, Kronman Joseph, Chaunce



Discard

Preview

nature

Tech Stack and Team

Blockchain Part

Outcome

A UNIQUE SYSTEM THAT SPEEDS COMMUNICATION OF DISCOVERIES AND RECOGNIZES SCIENTISTS FOR THEIR CONTRIBUTIONS Thanks to our efforts, the client got a unique system, which allows

and increasing the trust level by creating incontestable citation evidence of the (un)published papers, algorithms, data, protocols and all forms of relevant scientific outputs.

Max Planck digital library

leading research projects and their researchers to secure the

provenance of their materials by certifying them in the blockchain,



PRANAGE

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Dashboard



FOR SCIENTIFIC & ACADEMIC

We are proud to be a part of a project that

aims to improve science collaboration

RESEARCH

processes.

Truffle, Ganache, MetaMask, Remix, Parity, Hyperledger Sawtooth, Hyperledger Explorer, Public Permissioned Blockchain Bloxberg Team 10 experts PM, Solution Architect, BA,

Python Developers, JS Developer,

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