archangel

Atakan Yavuzarslan
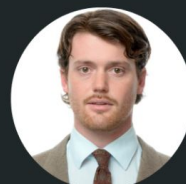Blockchain Physicist &

Mica "MP" Piscione
Medical Doctor

Ruben Koch
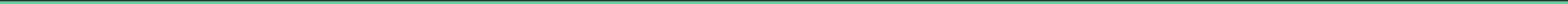SC-Security

Kerim Zunic
Cryptographer

Andrew Piscione
Crypto Investor

Bringing **Healthcare On-Chain,**
one medical appointment at a time

info@archangel.health

Problem

Healthcare is fragile to **disorganization**, and it all starts with the **medical appointment**, **a billion dollar pain-point** no one has solved, yet

13%
NO SHOWS

ON MEDICAL
APPOINTMENT

$6Bn/year
UNEARNED REVENUE

BY HOSPITALS/CLINICS DUE TO
NO-SHOWS

The Churn rate is mainly caused by patients **forgetting their appointments** due to **lack of incentives** and **a low quality/fragmented UX**

*ONLY IN EUROPE, PER MONTH

ArCHANGeL

Why No One Solved it?

Many have tried with Web 2 approaches, but there are several problems that all of these solutions have in common

UN-EFFICIENT LEDGERS

LACK OF INCENTIVE MECHANISMS/ ALIGNMENT THAT INVOLVE THE DOCTOR (MAIN GATEKEEPER)

SILOED INFORMATION

BAD UX/ FRAGMENTED SERVICE

MISSING REAL PAIN POINTS

*ONLY IN EUROPE, PER MONTH

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Opportunity

Solving this can have huge implications **in the real world, and become a opening door for the next 1Bn Web 3 Users,** with a product EVERYONE needs and Web2 did not solve..

$6Bn/year
UNEARNED REVENUE

BY HOSPITALS/CLINICS IN
EUROPE/YEAR DUE TO NO-SHOWS

$1.7Bn/year
SAVED w/SOLUTIONS

GIVING 8% Discount on Appointment And REDUCING No-Shows by 30%

$100M/year
ARCHANGEL REVENUE

CHARGING 1% Fee and getting 20% of the Market as First Movers

#500M
NEW WEB3 USERS

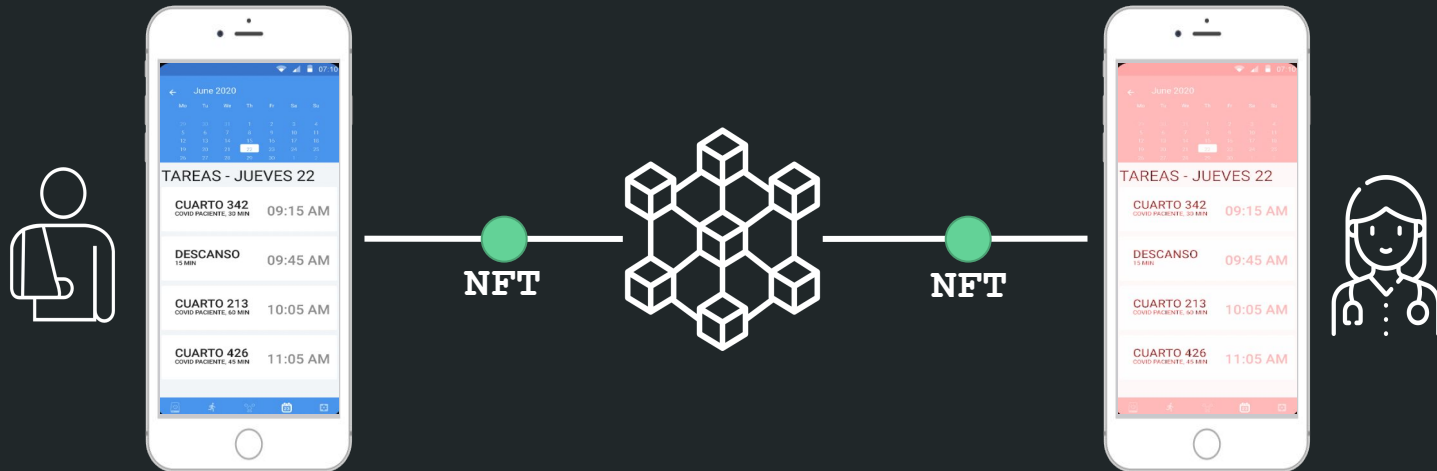ACTIVE USERS CREATING LENS
IDENTITY WALLETS

Opportunity for Public Goods..**Stake a pool and gift a doctor appointment**

ONLY IN EUROPE, PER MONTH

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E-Dreams for Medical Appointments, on steroids.

Digital medical clinic aggregator/ marketplace, where patients can not only book, but also sell their medical appointments online, **using NFTs**.

Solution

NFT-Marketplace for doctor-appointments.Patients can trade their appointment on a NFT-marketplace.

Prepaid appointments as NFTs, tradeable on a NFT-marketplace. Doctors have guaranteed revenue and reduced operational costs of managing appointments, patients have reduced costs

✗ UN-EFFICIENT LEDGERS

✗ LACK OF INCENTIVE MECHANISMS/ ALIGNMENT
THAT INVOLVE THE DOCTOR (MAIN GATEKEEPER)

✗ SILOED INFORMATION

✗ BAD UX/ FRAGMENTED SERVICE

✗ MISSING REAL PAIN POINTS

✓ INCREASING TIME EFFICIENCY

✓ INCREASING CAPITAL EFFICIENCY

✓ AGGREGATED RESULTS FOR APPOINTMENTS

✓ INCREASING THE SYNCHRONY

ArcHANGeL

Quick Demo

Technology

Payment
- → Crypto → Non-Custodial Walet
- → On-Ramp → Custodial Service

Verifiable Credenatials → LENS

NFTs & Market → Modified ERC721

Data Analytics → Dune Analytics

DLT
- → Ethereum & L2s
- → Privacy → Privacy Focused L1s
- → Privacy Focused L2s & L3

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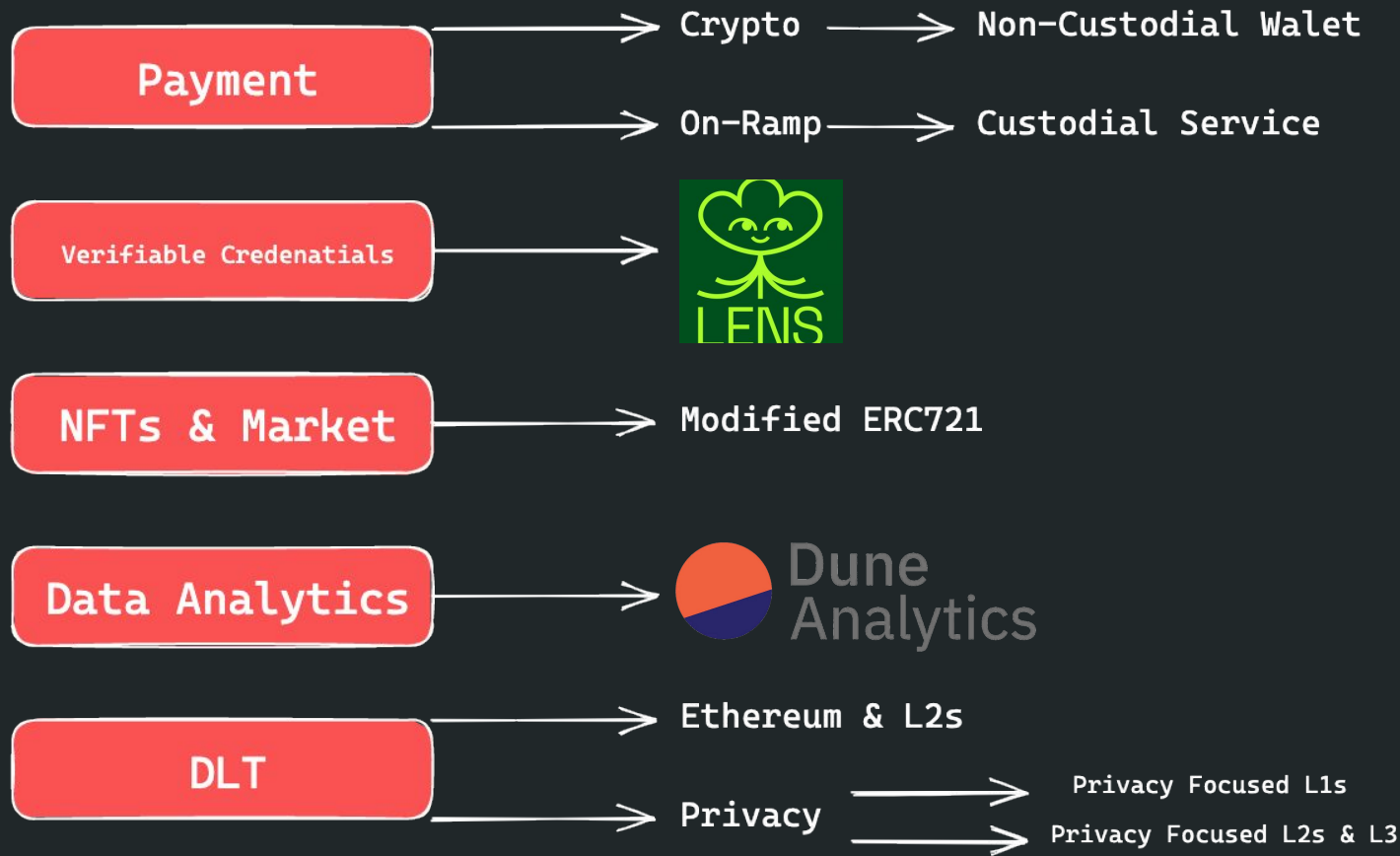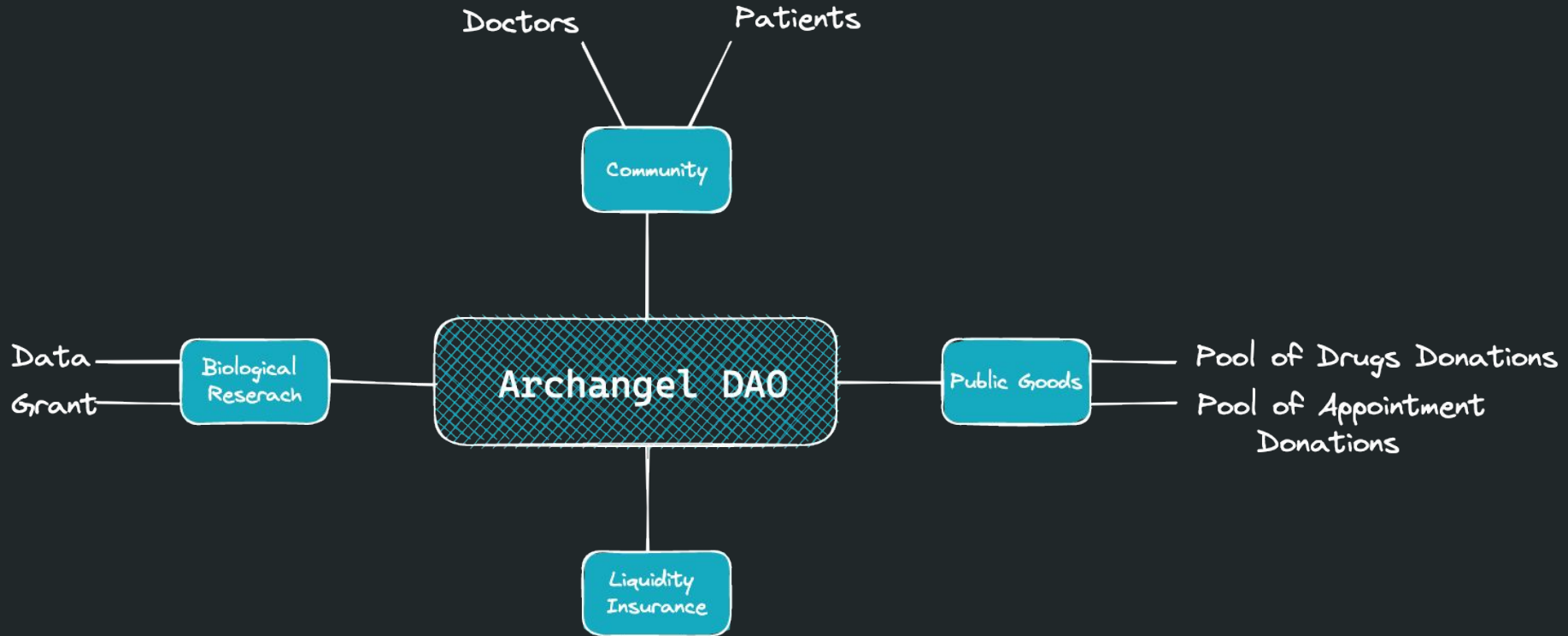
Long Term Vision Architecture

Team

Atakan Yavuzarslan Blockchain Physicist &

Go+ Security

Mica "MP" Piscione Medical Doctor

HOSPITAL UNIVERSITARIO AUSTRAL
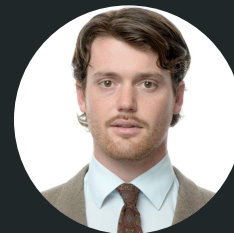
Heidelberg **University Hospital**

Ruben Koch SC-Security

IOTA

Kerim Zunic Cryptographer

Universität Potsdam

Andrew Piscione Crypto Investor

MIT Krause House

VALOR CAPITAL GROUP, LLC

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Next Steps - Roadmap to MVP, Launch and 🚀

ETHB3RLIN
to the power of 3

"Edreams"

Platform for medical appointments

B2B2C solution no-shows in medical appointments

NFTizeid appointments

Sell, buy NFTs

Q1 & Q2 2022

- Hire developer
- Product ideation
- Team formation
- Market Research

Q3 2022

- Hire CTO and 2 developers
- Partner with 15 top Health systems (private clinics)
- Launch MVP with 10 sellers
- Target 10,000 unique visitors

Q1 2023

- Hire CPO and 8 developers

Q3 2023

- Launch Archangel

Q1 2024

- Target decrease of x % of no-shows per year

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ANNEX

Sources

https://www.jameda.de/

https://www.doctolib.de/

ArCHANGEL

Business Model

Fee of

Hypothesis

1) The Churn goes down because of the discount and not due to the presentation itself **(user is web2 and no web3)**

2) We could sell all the NFTs that people dont use to prospective patients:(reciclaje de appointments perfecto)...liquidez
   (mercado para gente que quiere antes y también los que no tienen, osea hay liquidez)

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Problem

Healthcare is fragile to **disorganization,** and it all starts with the **medical appointment**

13% of medical appointments in hospital/clinics in Europe are NO SHOWS, which represent

SIZE OF THE PROBLEM ($)	=	NO-SHOW RATE (%)	*	TOTAL APPOINTMENTS (#)	*	REVENUE FROM APPOINTMENT ($)

The Churn rate is mainly cost by patients **forgetting their appointments**.

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Tokenomics/ Incentive Mechanism

Patient	Marketplace	Doctor	Problem	Solution	Comment

ArCHANGeL

Data in, personalized schedules out

Input

Output

Medical Worker

Continuous Usage
- Clock In & Out
- Satisfaction Survey
- Training Completed

Hospital

DataBase Migration
- COVID-19 Layout
- Hours/worker
- Med. Worker info
  - *Age*
  - *Specialization*
  - *Capabilities*

ARCHANGEL
Matching
Algorithm

Where & When
- Real-Time personalized calendar & schedule

Workload tracking
- Tasks/Hours completed

COVID-19 related
- Calendar & Task protective restrictions
- Special staffing model

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