

**BUSHIDO LAB®**

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2019 Portfolio

# BLOCKCHAIN DEVELOPMENT. SIMPLIFIED.

We design, architect  
and build custom  
Blockchain solutions

HAS YOUR  
BUSINESS  
ADOPTED  
BLOCKCHAIN?

PERMISSIONED & PUBLIC BLOCKCHAINS  
SMART CONTRACT DEVELOPMENT  
TOKEN PROTOCOL DESIGN

Core Protocol  
Development



Bushido Lab focuses on building Code & Technical execution of complex Blockchain Strategies.

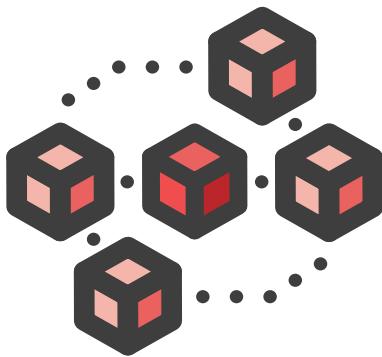
Blockchain  
Technology  
Consulting



Bushido Lab focuses on architecting Consumer and Enterprise grade Blockchain Products and Systems.

## Custom CryptoCurrency

Core Protocol & Systems Level Code Development for fully-featured Cryptocurrency Blockchains such as: Bitcoin, Ethereum, Zcash, Monero. Our Cryptocurrency services include: Coin Fork, Merge-Fork, Privacy Coin, Masternode Coin, Wallets, Block Explorers.

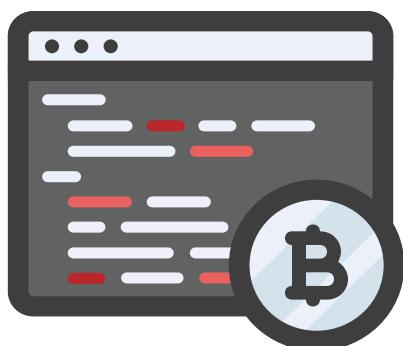


## Enterprise Grade Blockchain

Development of Permissioned & Private Blockchains for Consortium or Enterprise needs. Common implementations include: Hyperledger(Fabric, Composer, Burrow), Stellar, & Stratis. Innovative use-cases include: rights management, supply-chain, auditing-specific blockchains.

## Utility & Security Tokens

Token Development and Issuance. Token Vesting & Lifecycle, Token Custody Techniques, Utility Tokens (gamification). Most Token implementations require custom Wallet and Distribution platforms (custom builds available).

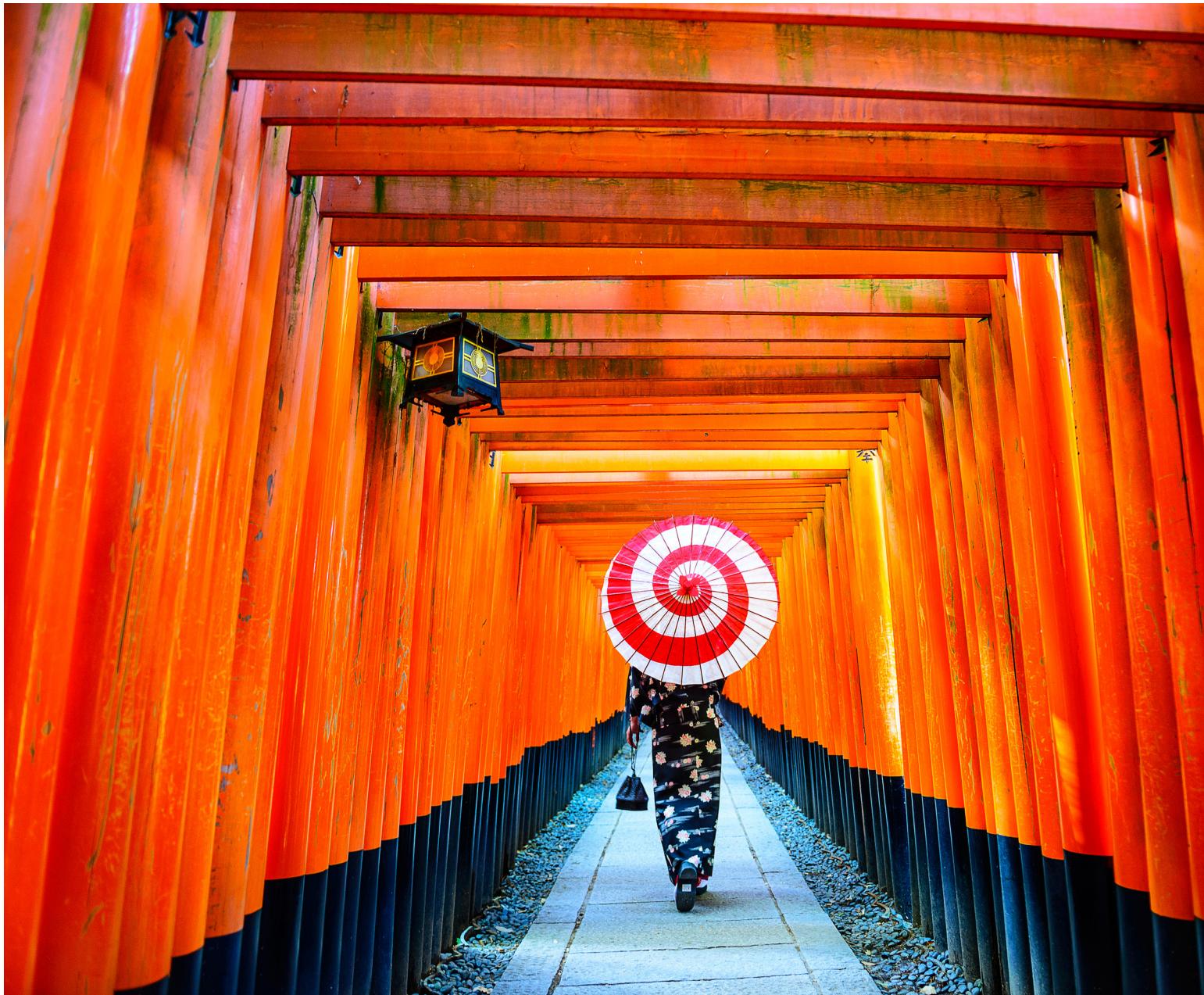


## Decentralized Applications (dApps)

Custom Decentralized Applications that communicate directly with Blockchains. Common use cases for dApps include: Gamification platforms, Asset Ownership and Trading, Decentralized market-makers.



# Company Profile





### Sam Abassi – President

Sam has a background in Economics and Neuroscience. He couples Cryptographic fundamentals with Game Theory to develop distributed economies.

# A statement from the President

Since 2017, the Bushido Lab team has been hard at work developing the right talent, formalizing our processes and solidifying our ethos and message. With the close of another year, and our facelift complete, I found myself compelled to communicate our strategy. Communicate what we are doing, what we have done and what we plan to do for the space and our community. This is Bushido Lab.

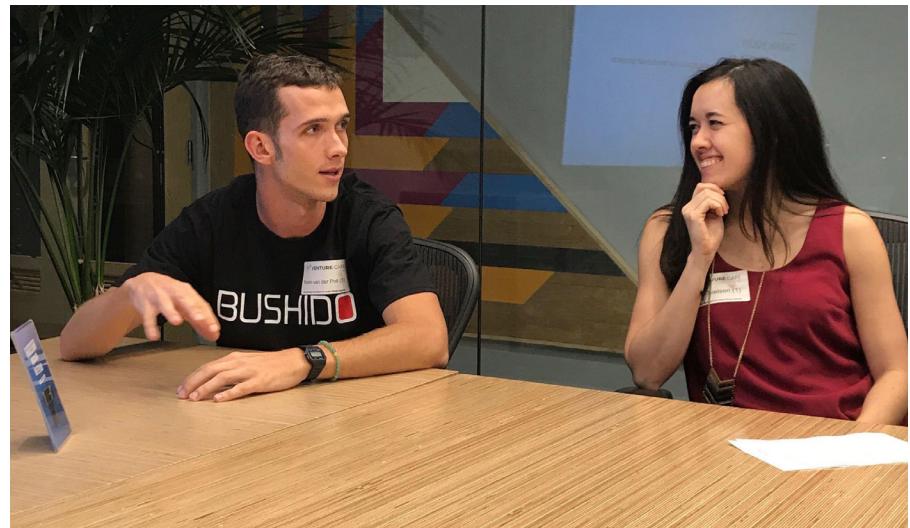
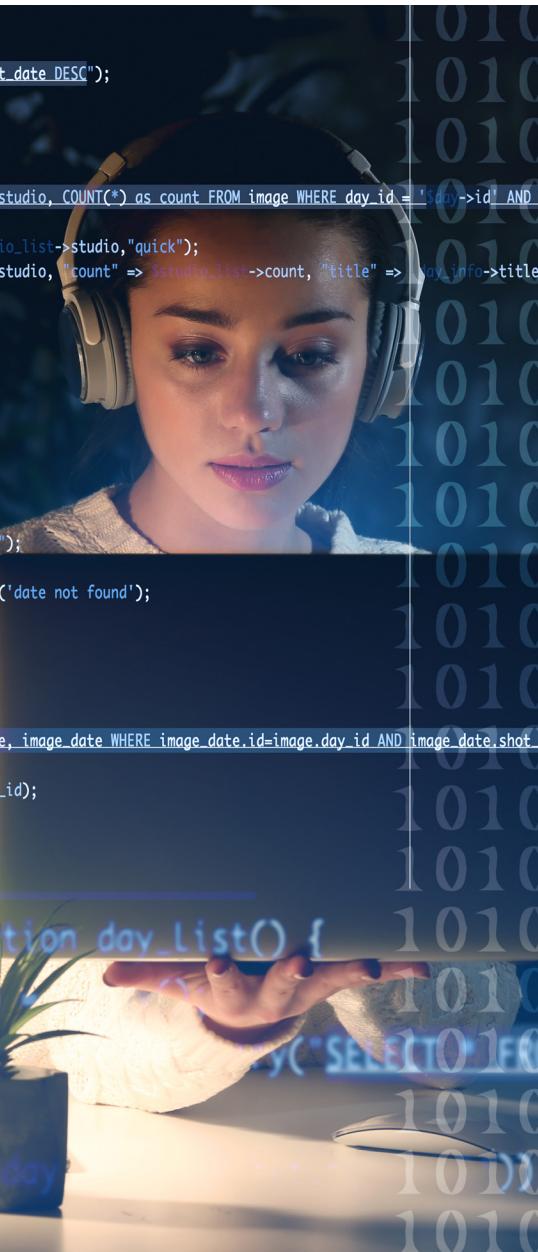
At Bushido, fundamentally believe that true novel creation comes from the intersection of science, technology and art. That is to say, true creativity is sired from the holy trinity of science: the rigor, precision and validation that it offers, the innovation and unconstrained disposition of technology and the insatiable audacity of the arts. That is where creativity lies.

Early adopters are creatives and generating early infrastructure demands creative endeavors.

When it comes to Blockchain and Bitcoin-based technologies, we have proven that we understand the creative interdisciplinary fundamentals that define Bitcoin both socially, economically and technically and are fully equipped to execute any project in the industry that leverages such fundamentals—startup and enterprise. We are Bushido, and we are your blockchain partner.



# Everyone thinks they need blockchain until they look at the process.



Bushido hyperspecializes in Blockchain in both technical development and consulting. We work with our clients in a step by step process to identify key pain points in their work-flow. The demand for value-chain analysis and value-chain blockchain development was so strong in 2018 that Bushido has dedicated resources to supply chain professionals for work-flow analysis expanding our services to better serve our clients, as an example.

On the development side, our engineers are dedicated to two main wings: the enterprise team and the crypto-team. Bushido engineers(samurais) are experts in Hyperledger implementations; we build projects using Hyperledger Fabric, Composer and Burrow. Projects range from auditability and provenance solutions to consensus based multi-party network design. Our crypto-engineers are experts in Bitcoin forks, codebase review, wallet development, Bitcore implementations, Bitpay API development and Ethereum and Lightning network development.



# Our Corporate Partners



Java Oracle



MIT Enterprise Forum



IBM



Miami Beach Chamber of  
Commerce



BEN



University of Miami



Smart Dubai



Tune Token



Miami Dade College



Level Blocks



Miami Beacon Council



Learn01



Caldwell IP



Cre8tor.App



Miami Dade College Idea  
Center

Bushido and its partners work hand in hand with our clients in qualification of the clients individual needs, use-case and product to market-fit. We make the transition from design to development and implementation seamless so that you can focus on running the other parts of your business or ideating on the next set of features to come. We understand that navigating, let alone building blockchain is complex enough for most of our clients, so we engage them the way we build their products- user first.



# Development Tools



Bitcoin



Hyperledger Fabric



Hyperledger Burrow



Ethereum



Cardano



Stellar



Stratis



R3



Solidity



Javascript



NodeJS



React



Express



Python



C++



Amazon Web Services



Mongo DB



Docker



PostgreSQL



Github

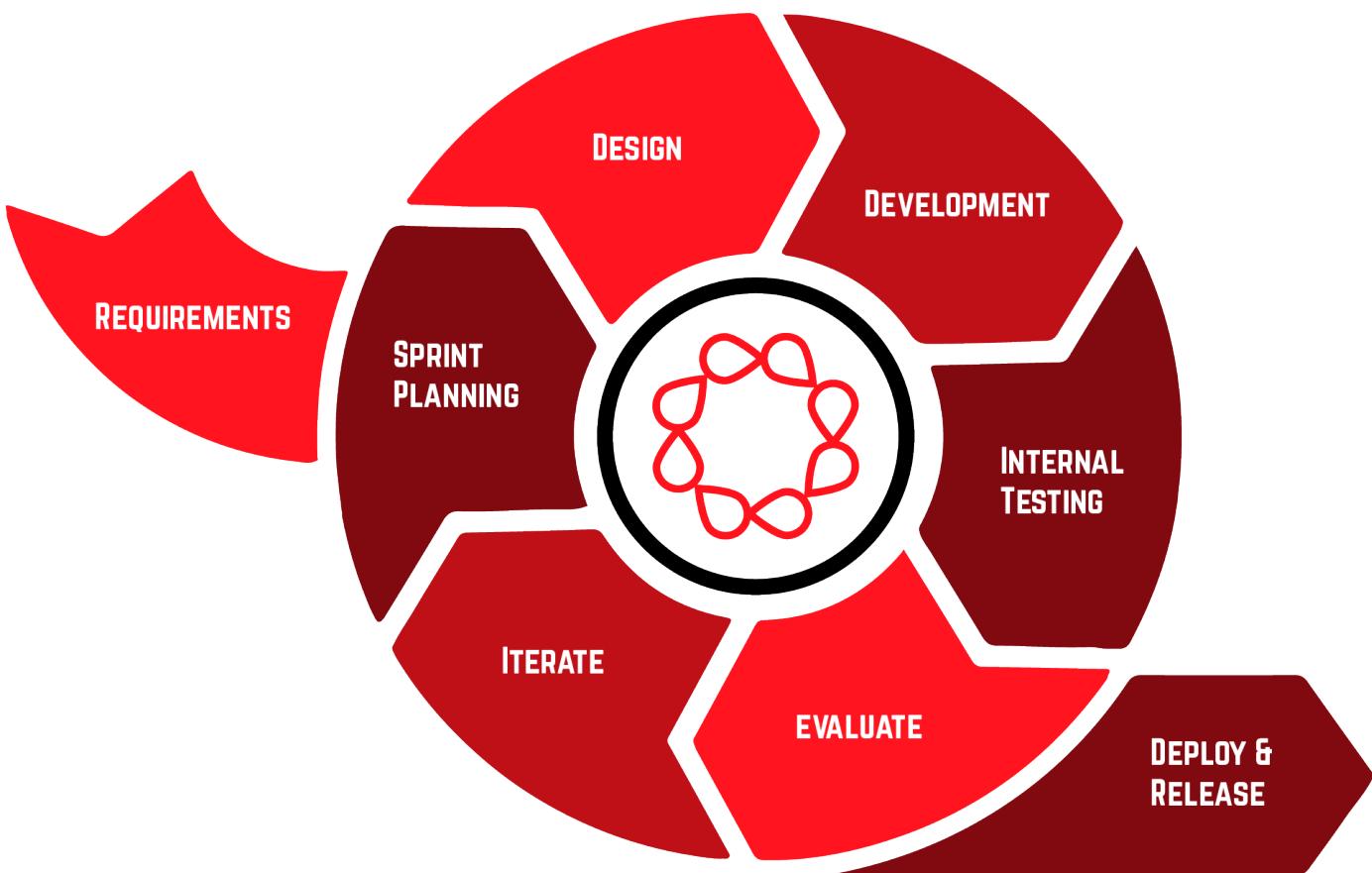


Go

At Bushido, we use a variety of Development tools, frameworks and open-source software libraries. All of Bushido's developers are "Full-Stack" and are fully proficient in the latest Software Development trends.



# Agile Process



At Bushido, we use Agile Software Development methodologies such as SCRUM and KANBAN to ensure rapid and efficient software development cycles.

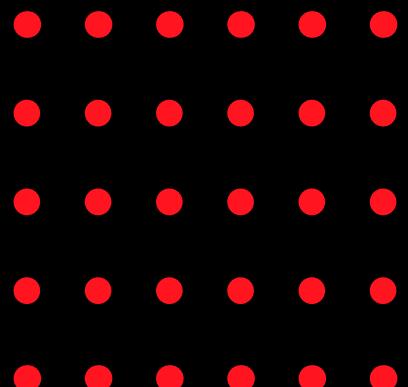




“

*“The invention of **Bitcoin**  
is like the **Wheel** to the  
**Unbanked**”*

Christopher Arguello, CEO of Bushido Lab, Blockchain Enthusiast,  
and Bitcoin Buidler.





# Company Portfolio





# Bitcoin Fork



***ANONYMOUS Bitcoin***

## A coin fork of ZCL and BTC

Anonymous Bitcoin(ANON) was an experimental coin fork of the Bitcoin and ZClassic coin protocols. ANON took into account MIT developed zkSnarks and masternode governance structures from DASH. Bushido actively maintains the ANON repo and pushes new releases to our implementation of the ANON network; this involves extensive cooperation and coordination with the distributed mining, staking and investment community of ANON.

**ANON**

Blocks Status Masternodes Proposals

✓ · Conn 8 · Height 39353

Scan

## ANON Block Explorer

Search for Block, Transaction or address

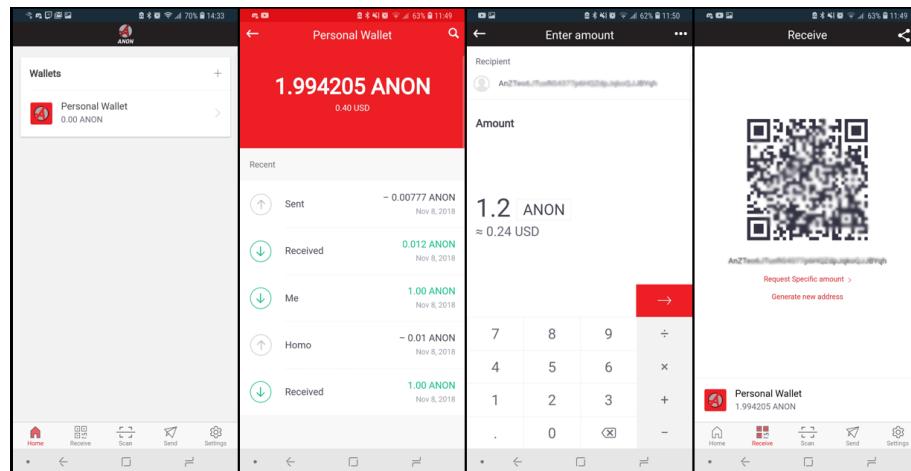
SEARCH

### Latest Blocks

Height	Age	Transactions	Mined by	Size
39353	a minute ago	2		4122
39352	5 minutes ago	6		9145
39351	16 minutes ago	2		25746

# Block Explorer

Block explorers are modern day browsers into the Blockchain. An explorer is critical for project transparency. The block explorer was deployed on Mainnet and Testnet instances. Additionally the core team created several scripts and tools to encourage the community to maintain their own block explorers instead of relying on the CORE team's explorers.



# Mobile Wallet

A Mobile Wallet built on Ionic framework that allows for cross-platform compatibility. This wallet can be run on Mobile Ios, and Android as well as Desktop Windows, Mac, and Linux.



## Photo top

ANON Full Node Daemon.  
This server process is  
launched from the command  
line.

## Second photo

ANON open-source  
community github with over  
+20 repo's containing tools  
and projects.

## Small photo top

ANON community forum.  
Allows for open community communication.

**Small photo bottom**

ANON mobile wallet. Built using Ionic, enabling IOS/Android compatibility.

**Photo bottom right**

ANON governance proposal generator tool.

**ANON**

<https://www.anonymousbitcoin.io/>

Repositories 48 People 5 Teams 0 Projects 0 Settings

Find a repository... Type: All Language: All Customize pinned repositories New

**node-stratum-pool**  
Forked from s-nomp/node-stratum-pool  
Stratum library for s-nomp

**ANON**

ANON Forum is for anyone wishing to view the community masternode proposals or for making your masternode proposals. Please post your masternode proposals here if you cannot access reddit in your country. The guide to making proposals can be found at: <https://github.com/kayson/peelSeeds#4ad2191516764cb5ee02d> If you have any issues, please send a message to the forum administrator, Zest.

All categories Latest Top Categories Topic

all General Discussion ANON Forum is primarily for anyone wishing to view the community masternode proposals or for making your masternode proposals available for others to view. Other news relating to ANON may also be posted under the "General" - read more

Dev Update Nov. 13 2018 Dev Update, Dec. 21 2018

**ANON**

ANON is secure, digital money. Store, send and receive your ANON. Take control of your money with your ANON wallet.

Just scan the code to pay. Get it

Get started Restore from backup

**Top languages**

- JavaScript
- Python
- C++
- Shell
- Java

**Governance Tools**

Create A Proposal Create a Proposal

**Create a Proposal**

Mainnet Test

Enter details for your Proposal and click 'Create Proposal'. This will generate a command you can run on your wallet to prepare the Proposal at a cost of 100 anon.

Proposal Name: proposal-name

Proposal Description URL: https://

Payment Date: 3/16/2019 Payments: 1 Payment

Payment Address:

Payment Amount: 5

Total Amount: 0 ANON

Create Proposal



# Hyperledger

LEVEL  
B L O X

## Enterprise Grade Software Asset Management

This project was part of the Oracle Blockchain Cloud incubation program designed at enabling Software Distributors/Vendors to perform audit reports on their Enterprise Software Consumers for compliance purposes. In this project, Bushido Lab designed several “Discovery” tools to interview the base operating systems running the particular Software, and then reported OS alongside Software Consumption to the Hyperledger Fabric Blockchain.



## Entitlement

Manage your owned licenses by adding them manually or importing them through CSV

Order Id	CSI Number	Description	Vendor Name	Vendor Num...	License Type	Version	Support Date Start
<input type="checkbox"/> 5bd1e9bbc...	12345	Java SE Advanced Desktop	Oracle	v12345	NUP	1.8.0_181	Fri Oct 26 2018 16:21:...
<input type="checkbox"/> 5bd1ea38c...	67890	Java SE Advanced	Oracle	v67890	Processor	1.8.0_181	Fri Oct 26 2018 16:21:...
<input type="checkbox"/> 5bfc39401...	1231123	Oracle Database Enterprise E...	Oracle	v28381	Processor	11g	Mon Nov 26 2018 13:1...
<input type="checkbox"/> 5c05a8df3...	44561	Oracle Database Mobile Server	Oracle	v3213	Processor	11g	Mon Dec 03 2018 16:...
<input type="checkbox"/> 5c05b2cf6...	1922	Oracle Database Standard E...	IBM	v76192	Processor	11g	Mon Dec 03 2018 17:...
<input type="checkbox"/> 5c05b3e70...	14920	Oracle Database Personal Ed...	IBM	v1423	NUP	11g	Mon Dec 03 2018 17:...
<input type="checkbox"/> 5c05b864...	81723	NoSQL Database Enterprise ...	IBM	v42123	Processor	11g	Mon Dec 03 2018 18:1...

# Software Asset Tracking

The Entitlement view of the Application pulls data directly from Hyperledger Fabric permissioned Blockchain. All records of consumption and deployment of Software licenses keys are stored on the Fabric blockchain.



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**AlphaPoint Technology, Inc., Selected for the Oracle Scaleup Ecosystem Program**

June 28, 2018 11:29 AM Eastern Daylight Time

SARASOTA, Fla.--(BUSINESS WIRE)--AlphaPoint Technology, (OTCQB: APPO) a technology and enterprise blockchain software application development company, today announced that it has joined the Oracle Scaleup Ecosystem program. AlphaPoint will work with the Oracle Scaleup Ecosystem, and with the Oracle Cloud Infrastructure platform, utilizing the global resources, cloud technology,



ALPHAPPOINT TECHNOLOGY  
OTCBB:APPO

# Press Release

This project was commissioned by LevelBlox, a company that was incubated by Oracle Blockchain Project. Bushido Lab was contracted by LevelBlox to design, architect and build a Enterprise Grade Software Asset Management infrastructure that utilized Blockchain technology.



Web software-asset-management

Define Test

FILES

About README.md, package.json

Model File models/model.cto

Access Control permissions.acl

Add a file... Export

UPDATE NETWORK

About File README.md

### Java Usage Tracker

What does it do?

Named User Plus Licenses

- Receives incoming UDP packets containing Java Usage information from computers configured with t
- Parses the data in the UDP packets
- Sends relevant data to be stored in our hyperledger fabric network
- Fabric network endorses the request and stores it to the companies channel ledger
- Relevant information is sent to a front end webapp which provides necessary information for a recon

Processor based licenses

- Runs a script which performs hardware discovery on the local machine and returns values of CPU cor
- Logs that information directly to fabric network
- Fabric network endorses the request and stores it to the companies channel ledger
- Relevant information is sent to a front end webapp which provides necessary information for a recon

Introduction:

This tool was created to help with tracking, recollecting then providing necessary data for a Software Asset Mana

#### Photo top

Software Asset Management  
MVP built on Hyperledger  
Composer. This was used to  
train the client on tools.



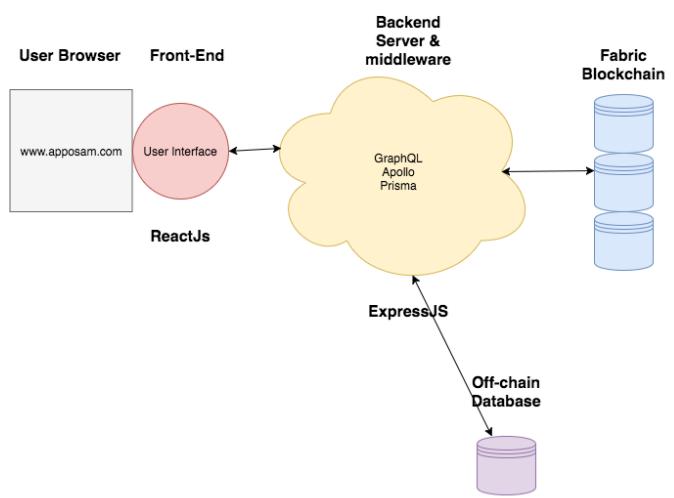
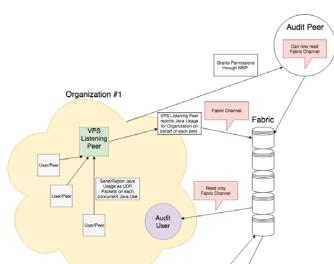
#### Second photo

Hyperledger Fabric Brand/  
Logo.

# HYPERLEDGER

#### Small photo top

Hyperledger Fabric  
Architecture overview.



#### Small photo bottom

Project Management tool  
Trello, shared with Client to  
provide insight into project  
status and progress.

Code Review

[VIEW] Make management form  
licenses and license type into  
dropdowns

Batch upload of CSV

[AS DL]

[VIEW] Profile Page

[AS]

[Documentation] Rough draft  
documentation

Routes

[REACT] Client side UI

Manage licenses view

Done

[DISCOVERY] Check if machine is  
VM or bare metal

Demo 10/25/18

DB schema for processor-based  
license --> price

Adjust discovery tools to fill out all  
cells in audit grid

#### Photo bottom right

Application Architecture  
Diagram.



# Telemedecine



## Medicine on the Blockchain

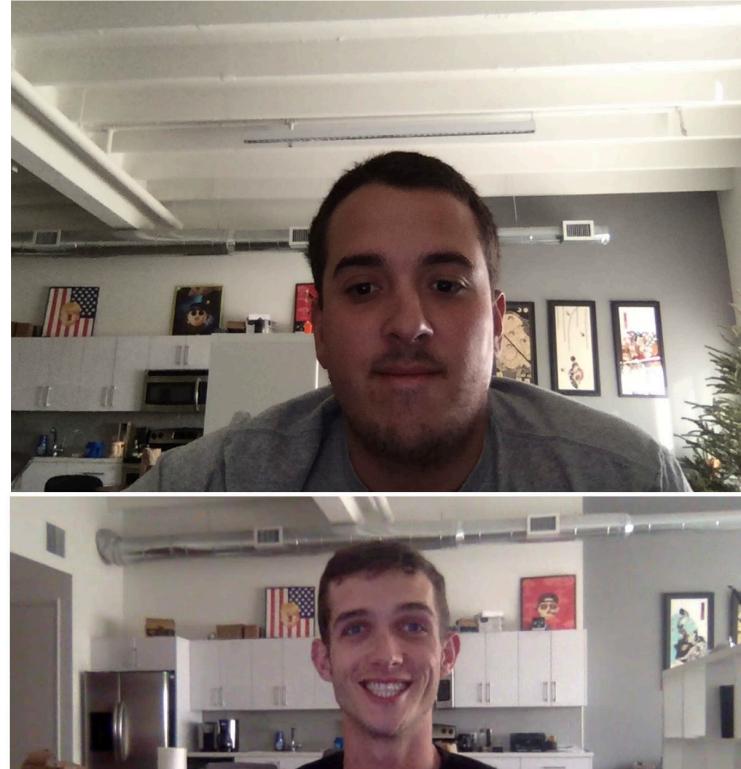
This project was designed and commissioned to experiment with storing HIPAA sensitive PII (Patient Identifiable Information) and non PII on the Blockchain, coupled with traditional SQL/NoSQL Databases. The application featured a small EMR(Electronic Medical Records) portal and Live video teleconferencing.



Dashboard Make a Referral All Referrals Insurances Appointments Dashboard 2 User Permissions Billing Accounts

Patient Dashboard  
Form Main Section  
Profile

## PreopMD Telehealth Meeting Room Beta



# Video Conferencing

The application utilized WebRTC and direct peer-to-peer video channel technology created by Google. WebRTC is particularly interesting for HIPAA regulations because it does not rely on a central server to create the video channel and conference.

Dashboard Insurances Appointments Dashboard 2 User Permissions Billing Accounts

Sign

Medications  
Allergies  
**Medical History**  
Social History  
Surgical History  
Anesthetic History  
Extra Info

Have you ever had arthritis, spine, joint or connective tissue problems?

Yes  No

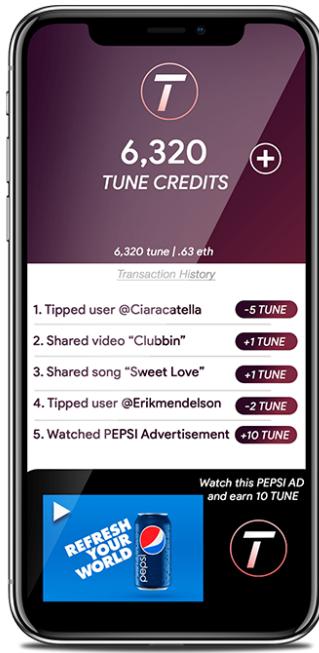
Degenerative/Osteoarthritis

# Interactive Questionnaire

An interactive medical questionnaire that uses innovative hashing technology to record data on the Blockchain without revealing/exposing PII.



# Tune



## Music on the Blockchain

This project was created in collaboration with Recordgram creators, Erik Mendelson, DJ Blackout and Shawn Mims who each are recognized Internationally within the Music Industry. Tune was a cryptocurrency ecosystem designed to act as a second layer to their existing Recordgram application.



#### Photo top

Erik Mendelson and Winston "Blackout" Thomas present Recordgram on Planet of the Apps.

#### Second photo

RecordGram Platform.

2017 TechCrunch Winners, formerly known as RecordGram

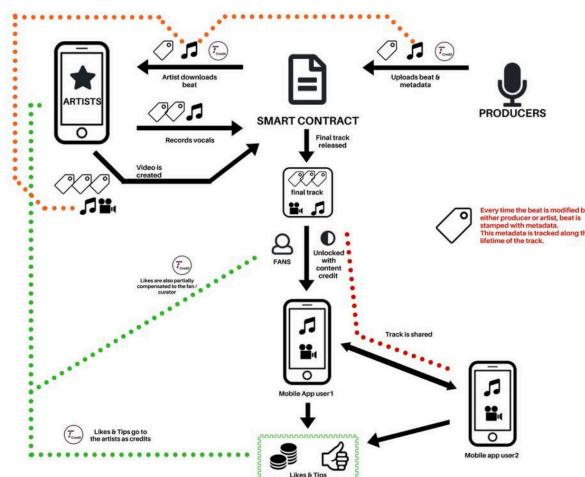
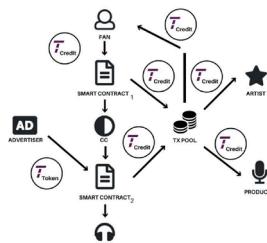
### Create, Collaborate & Share with Real Music Industry Professionals

CreBtor.App breaks down barriers and empowers anyone & everyone! No matter where they live, and no matter how much money they have! The ability to awaken your inner musician is now in the palm of your hand!



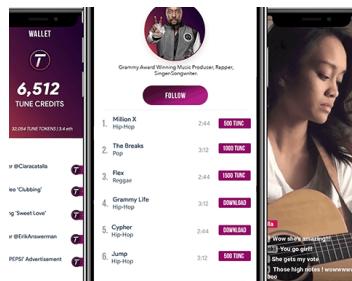
#### Small photo top

Tune Token Distribution Economics.



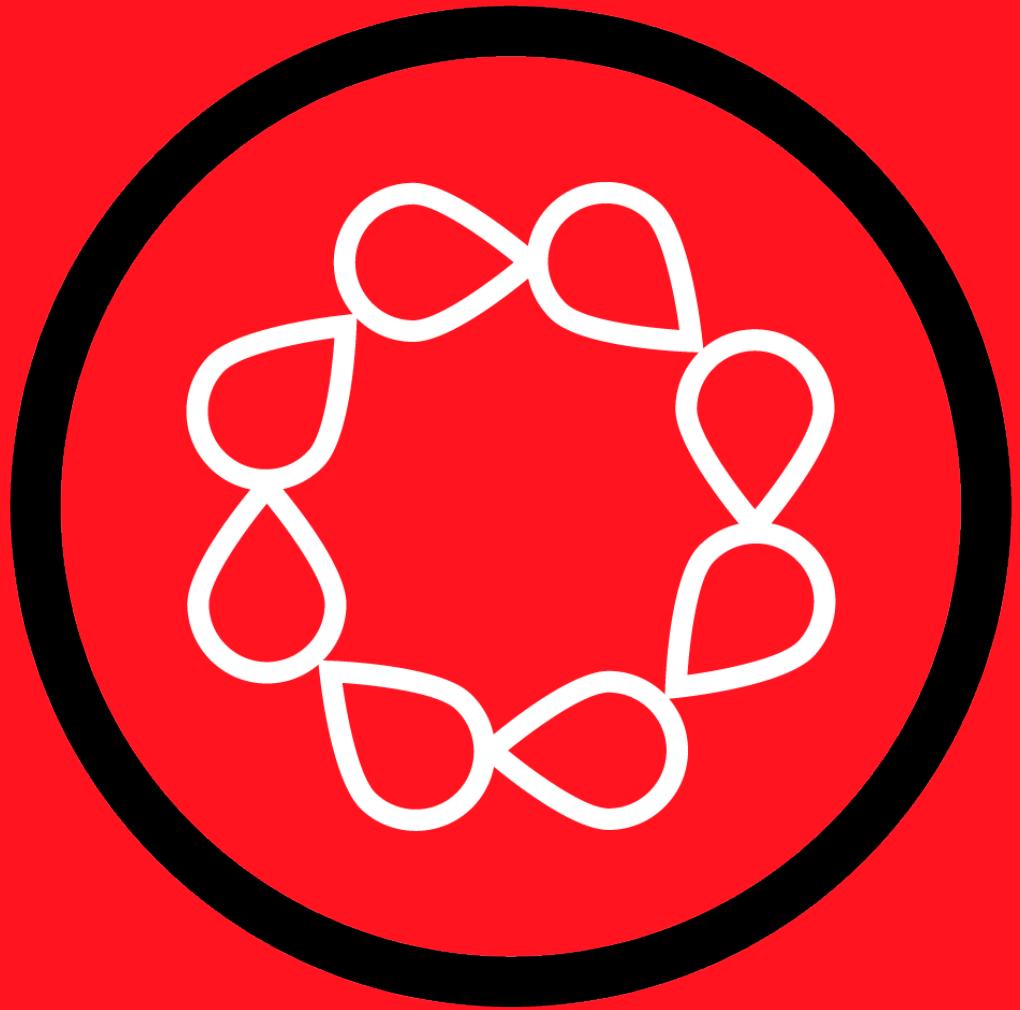
#### Small photo bottom

Recordram/TuneToken Application Presentation.



#### Photo bottom right

TuneToken Network Diagram and Architecture.



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