

BUSHIDO LAB[®]

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.

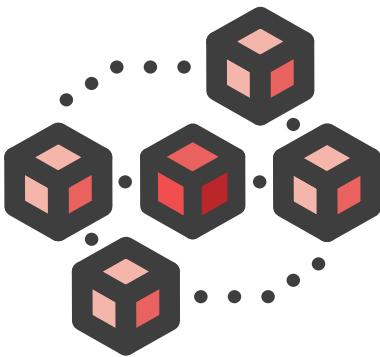
Blockchain
Technology
Consulting



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.

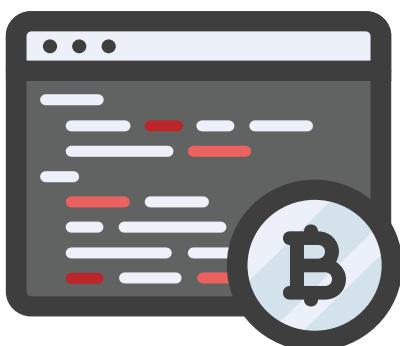


Enterprise Grade Blockchain

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).

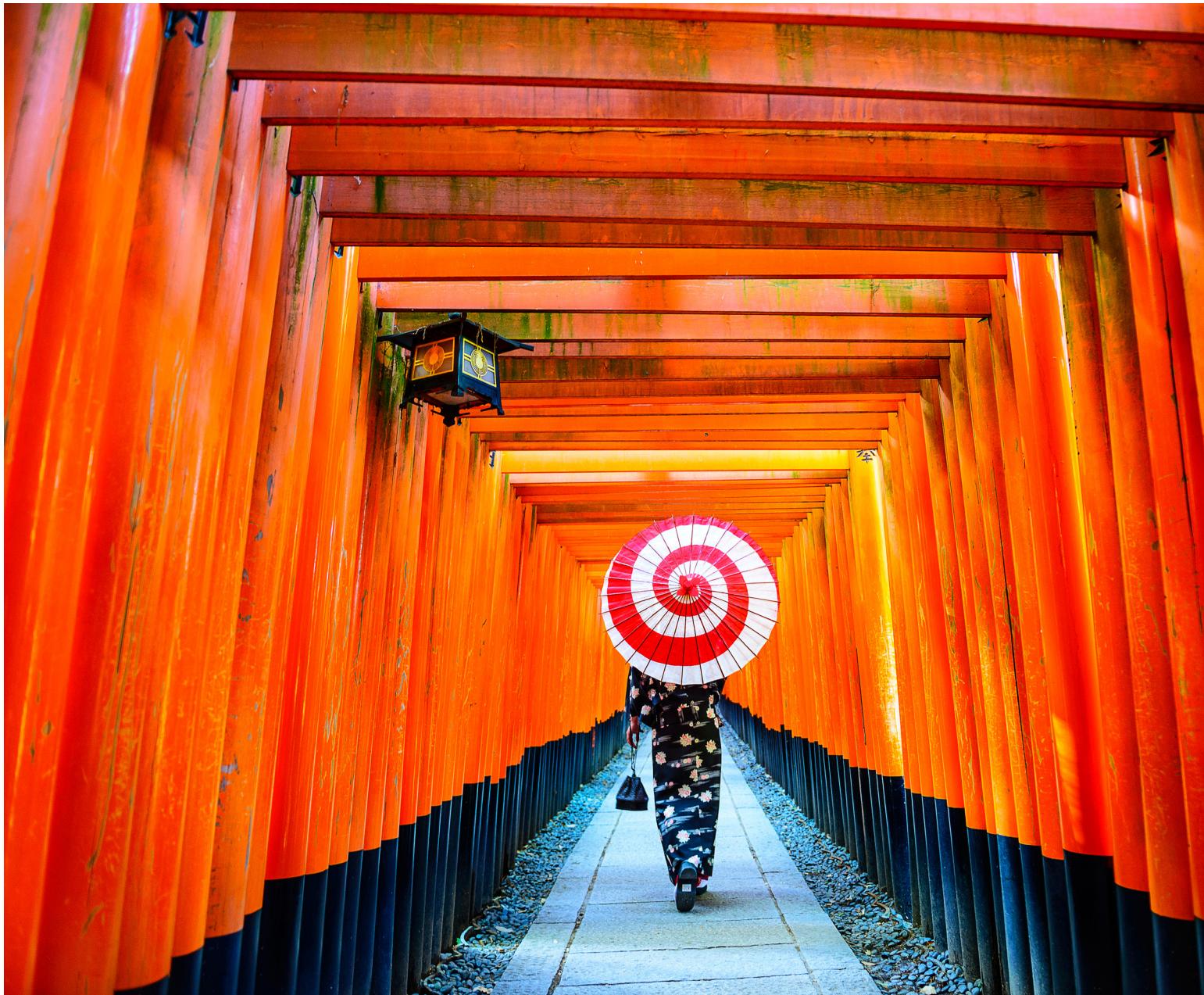


Decentralized Applications (dApps)

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.

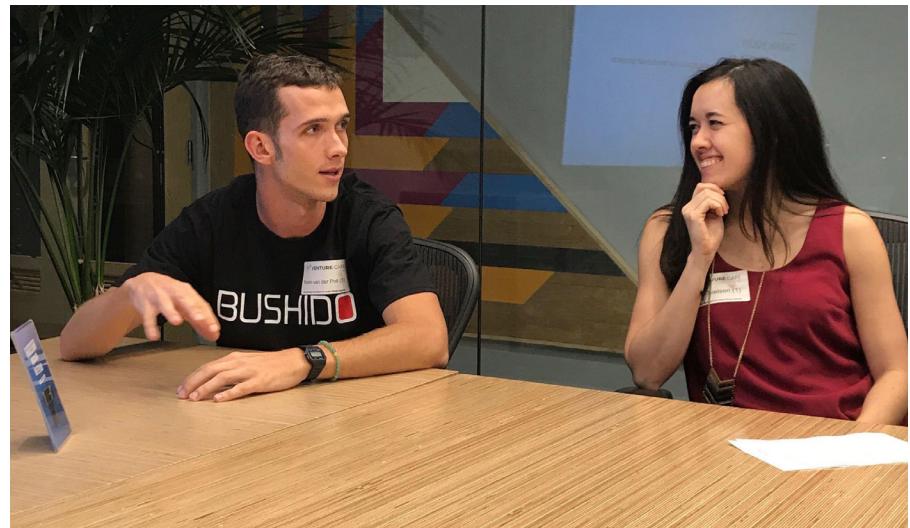
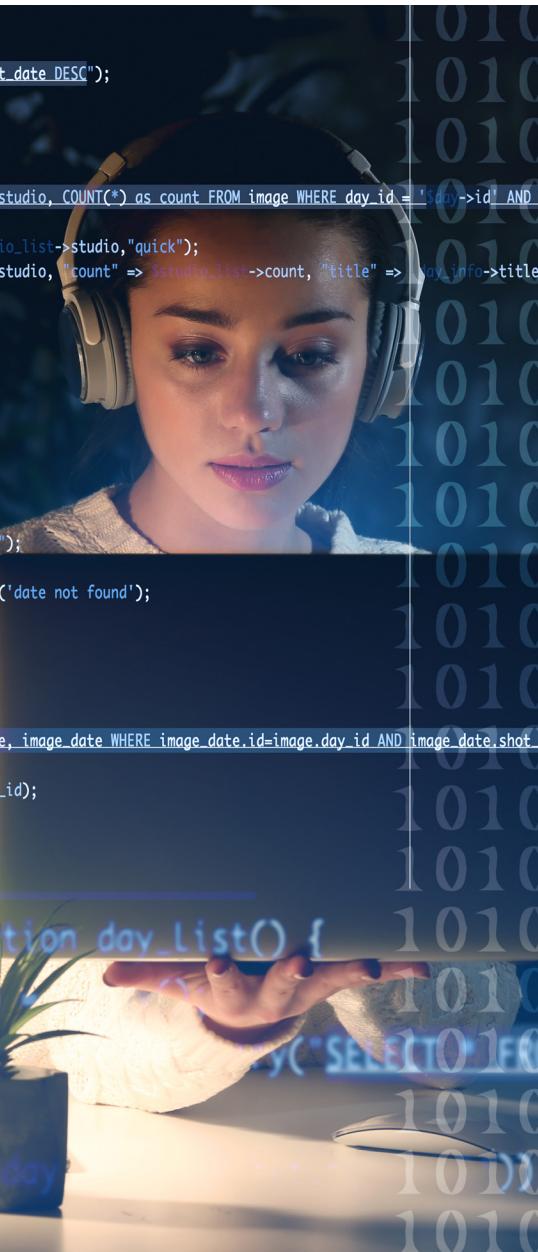
At Bushido, fundamentally believe that true novel creation comes from the intersection of science, technology and art. That is to say, true creativity is sired from the holy trinity of science: the rigor, precision and validation that it offers, the innovation and unconstrained disposition of technology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

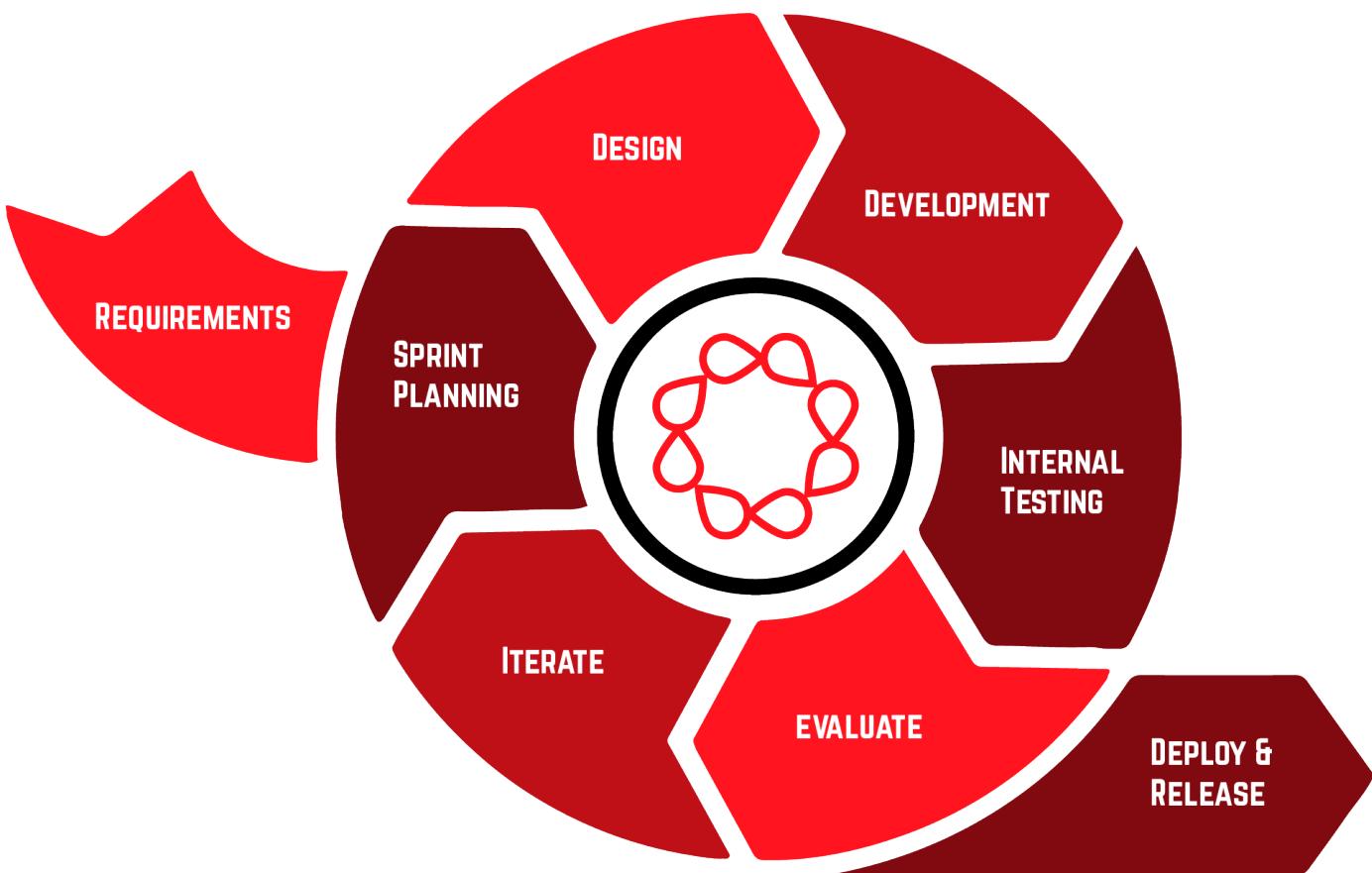


Go

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.

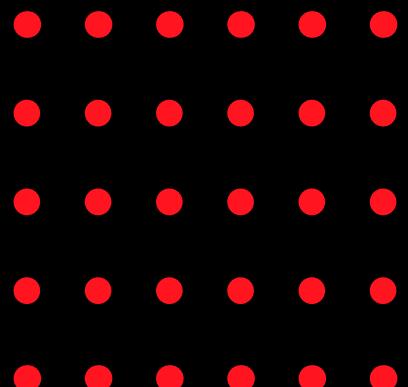




“

*“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

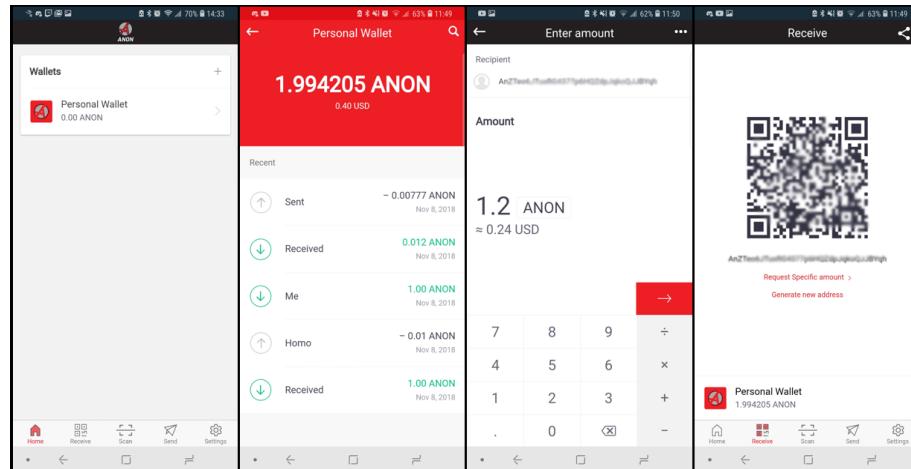
SEARCH

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

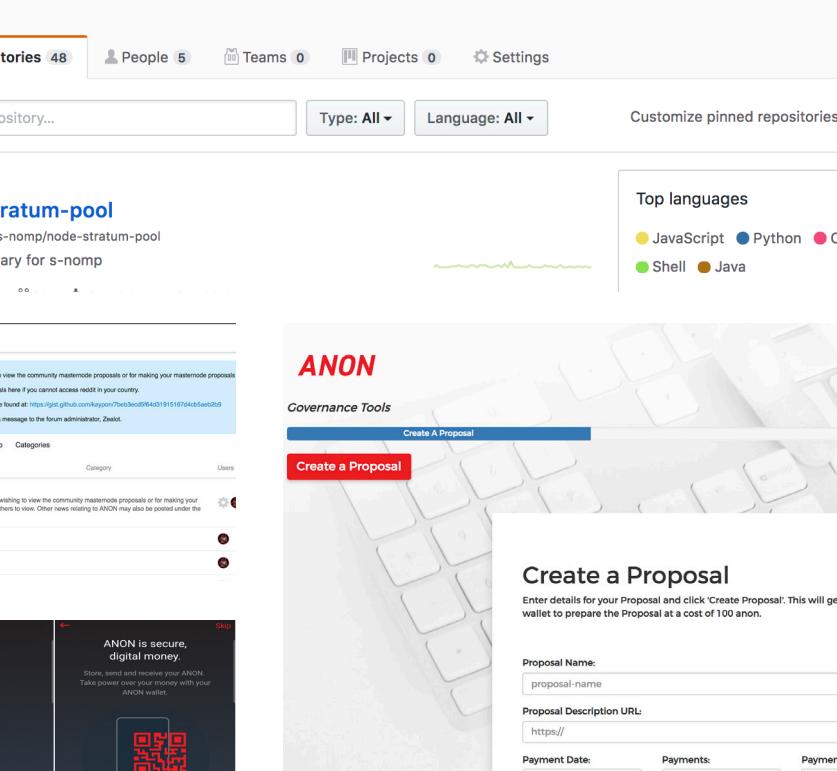
ANON community forum.
Allows for open community communication.

Small photo bottom

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

Photo bottom right

ANON governance proposal generator tool.



The image shows a composite view of several ANON-related projects and interfaces. At the top left is the ANON logo and the word "ANON". Below it is a link to the website: <https://www.anonymousbitcoin.io/>. The main interface is a GitHub-like repository page for "node-stratum-pool", showing 48 repositories, 5 people, 0 teams, 0 projects, and settings. It includes search fields for repositories, type, language, and pinned repositories, along with a "New" button. To the right is a "Top languages" chart with a wavy green line at the bottom. Below this is a "Governance Tools" section with a "Create A Proposal" button and a keyboard background. A large central modal window titled "Create a Proposal" asks for details like proposal name, URL, date, payment, and address, with a "Create Proposal" button at the bottom right. At the bottom left is a mobile-style payment interface with QR code scanning instructions. The footer contains links for "Get started", "Restore from backup", and "Create Proposal".



Hyperledger

LEVEL

B L O X

The word "LEVEL" is written in large, bold, blue capital letters. Below it, the letters "B", "L", "O", and "X" are each contained within a separate blue rectangular box, arranged horizontally.

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.



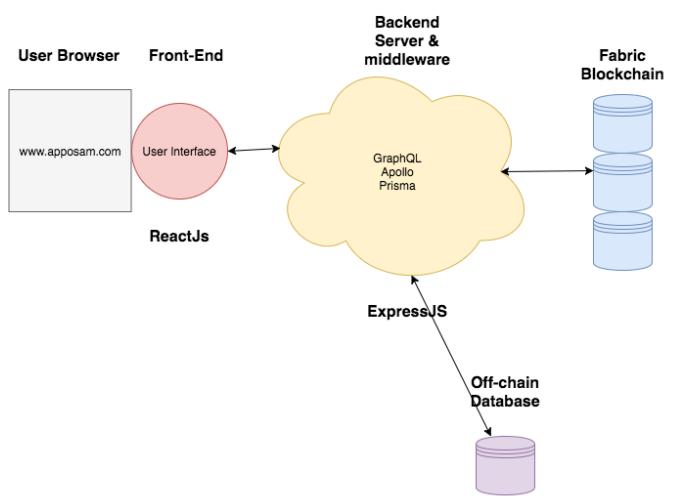
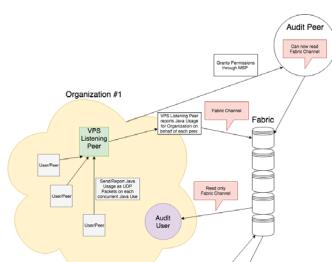
Second photo

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

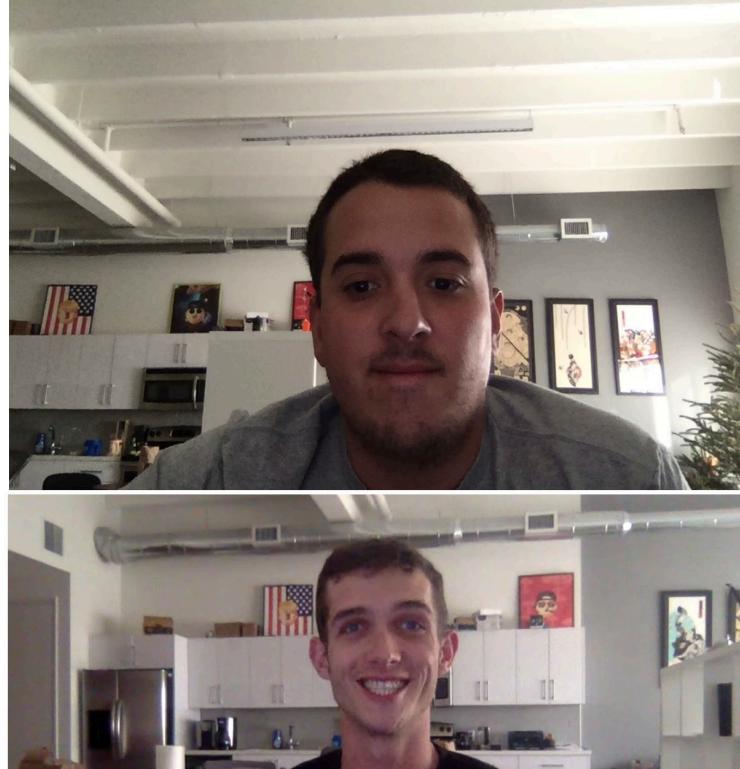
This project was designed and commissioned to experiment with storing HIPAA sensitive PII (Patient Identifiable Information) and non PII on the Blockchain coupled with traditional SQL/NoSQL Databases. The application featured a small EMR(Electronic Medical Records) portal and Live video teleconferencing.



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

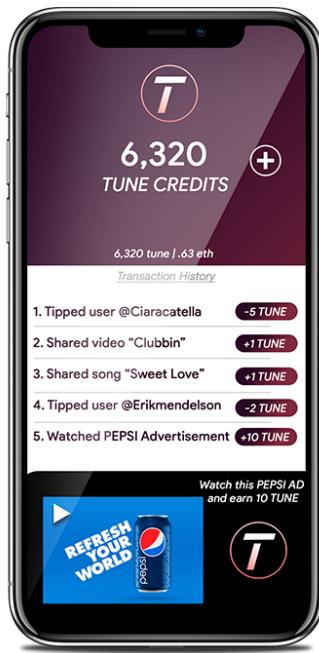
Degenerative/Osteoarthritis

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!

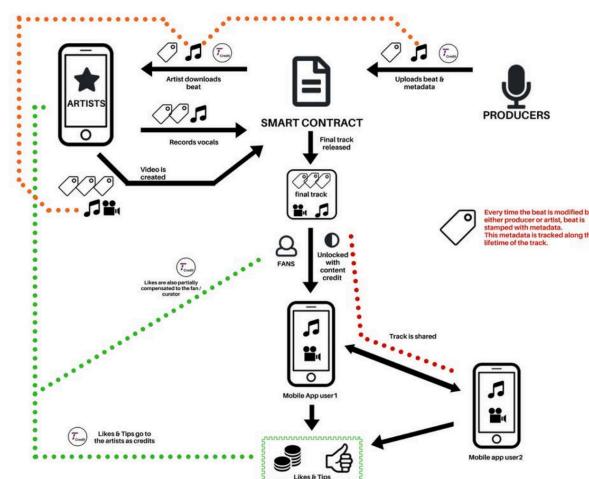
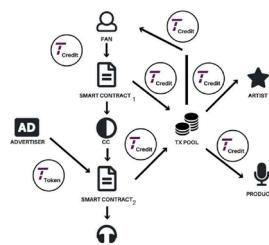
Download Now
App Store

Download Now
Google Play



Small photo top

Tune Token Distribution Economics.



Small photo bottom

Recordram/TuneToken Application Presentation.

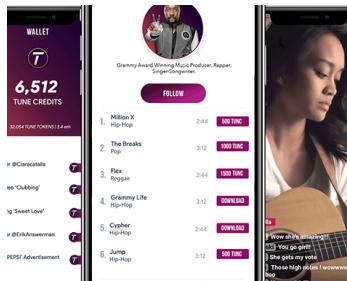
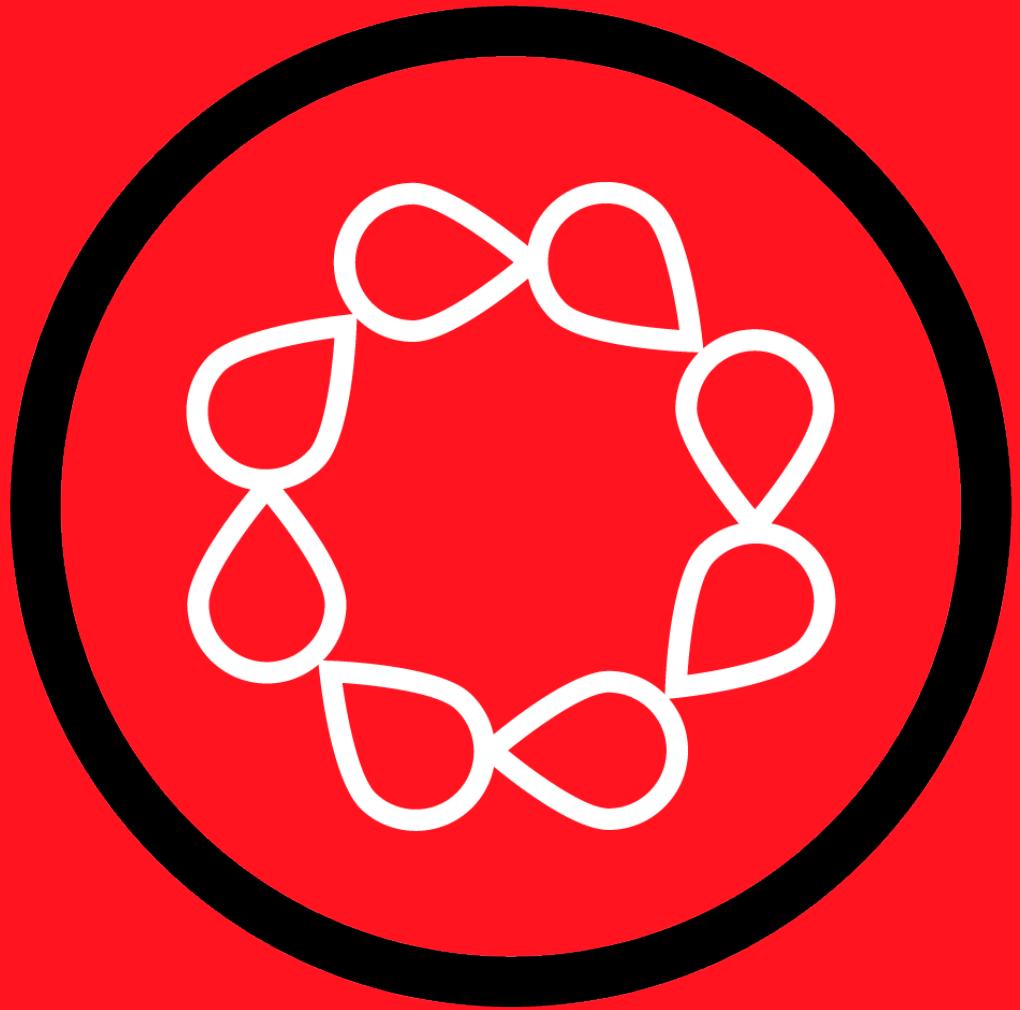


Photo bottom right

TuneToken Network Diagram and Architecture.



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