



blockstack

Blockstack SF

October 2016

Meetup Schedule

Quick Intro to Blockstack

New Blockstack Releases

Decentralized Apps Discussion

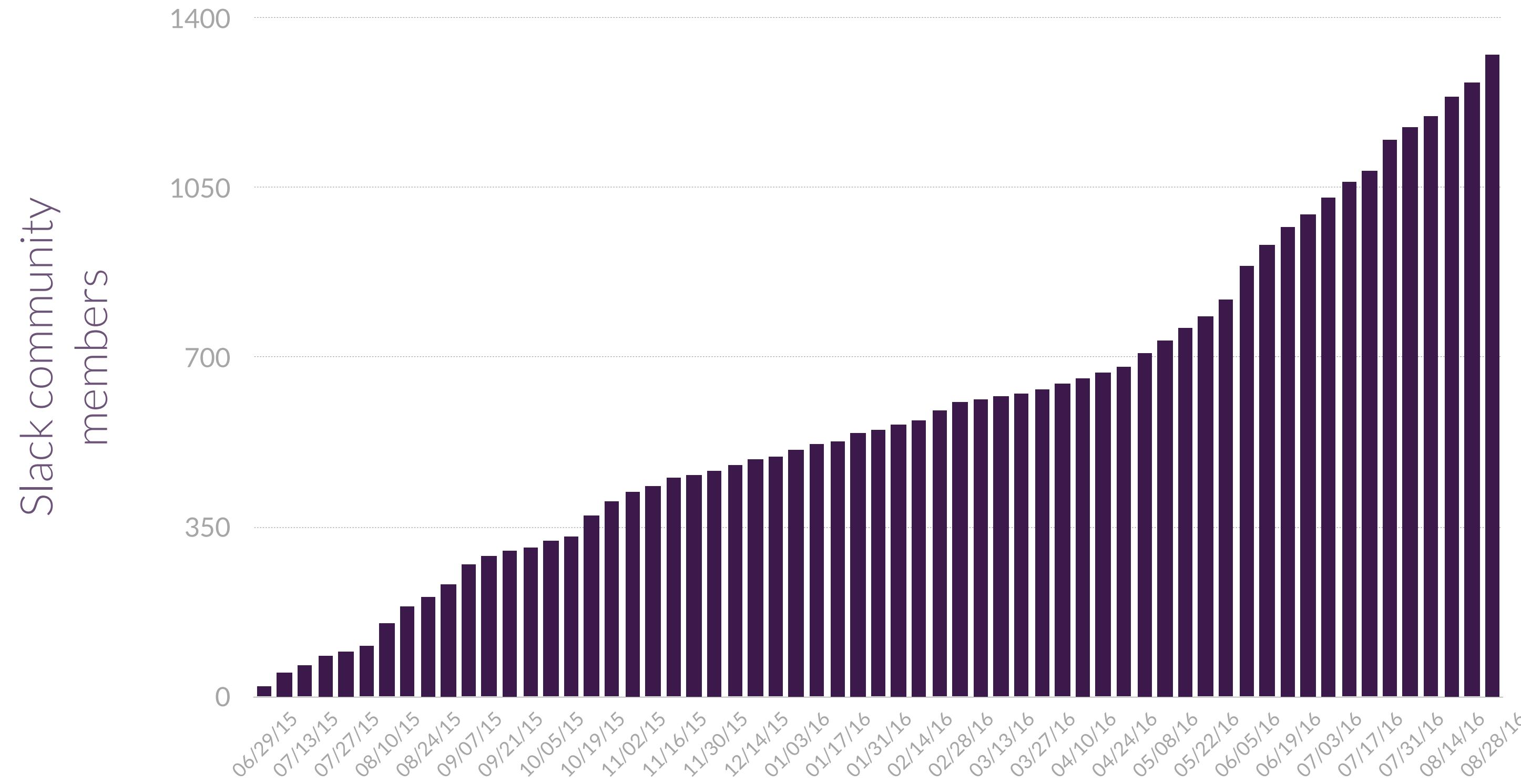
1 Minute Lightning Talks



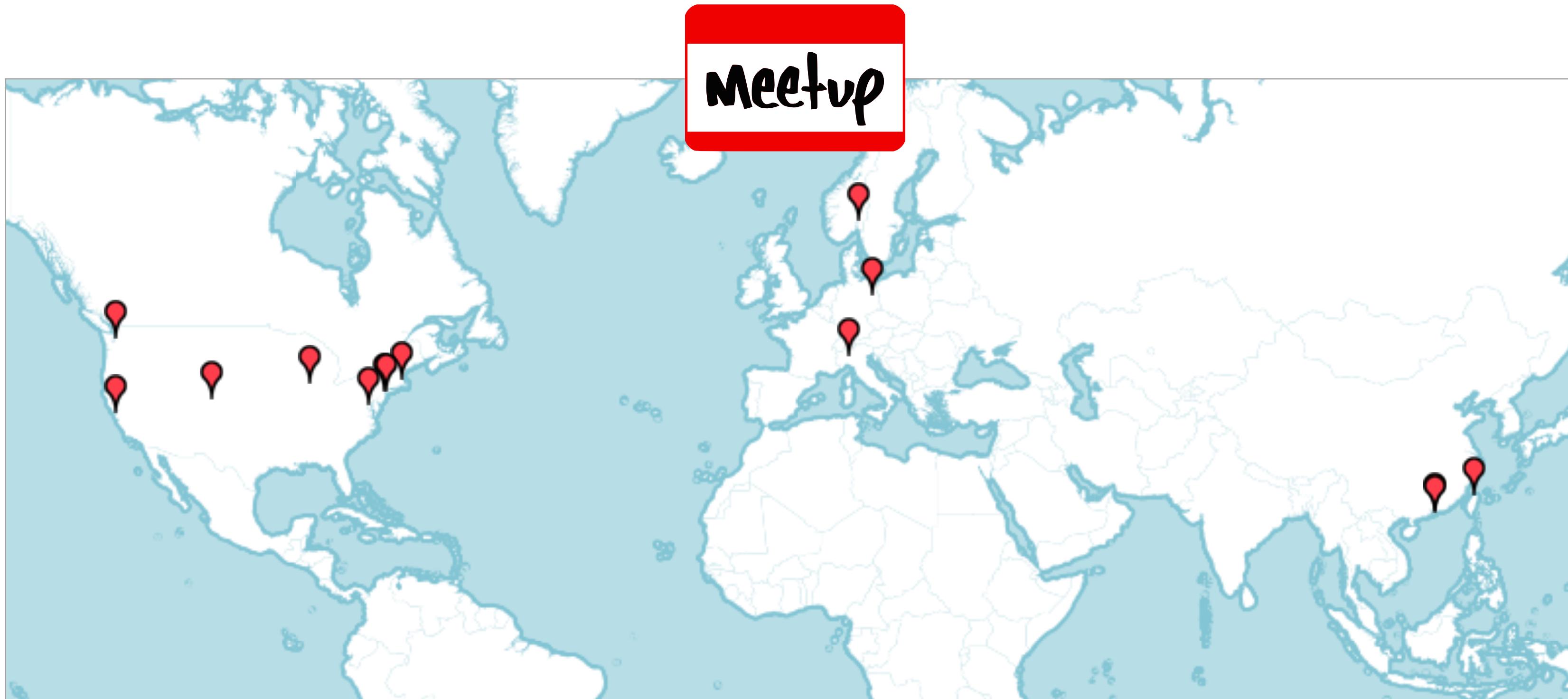
blockstack

The Blockstack Community

Slack Group (chat.blockstack.org)



Meetup Groups (meetup.com/topics/blockstack)



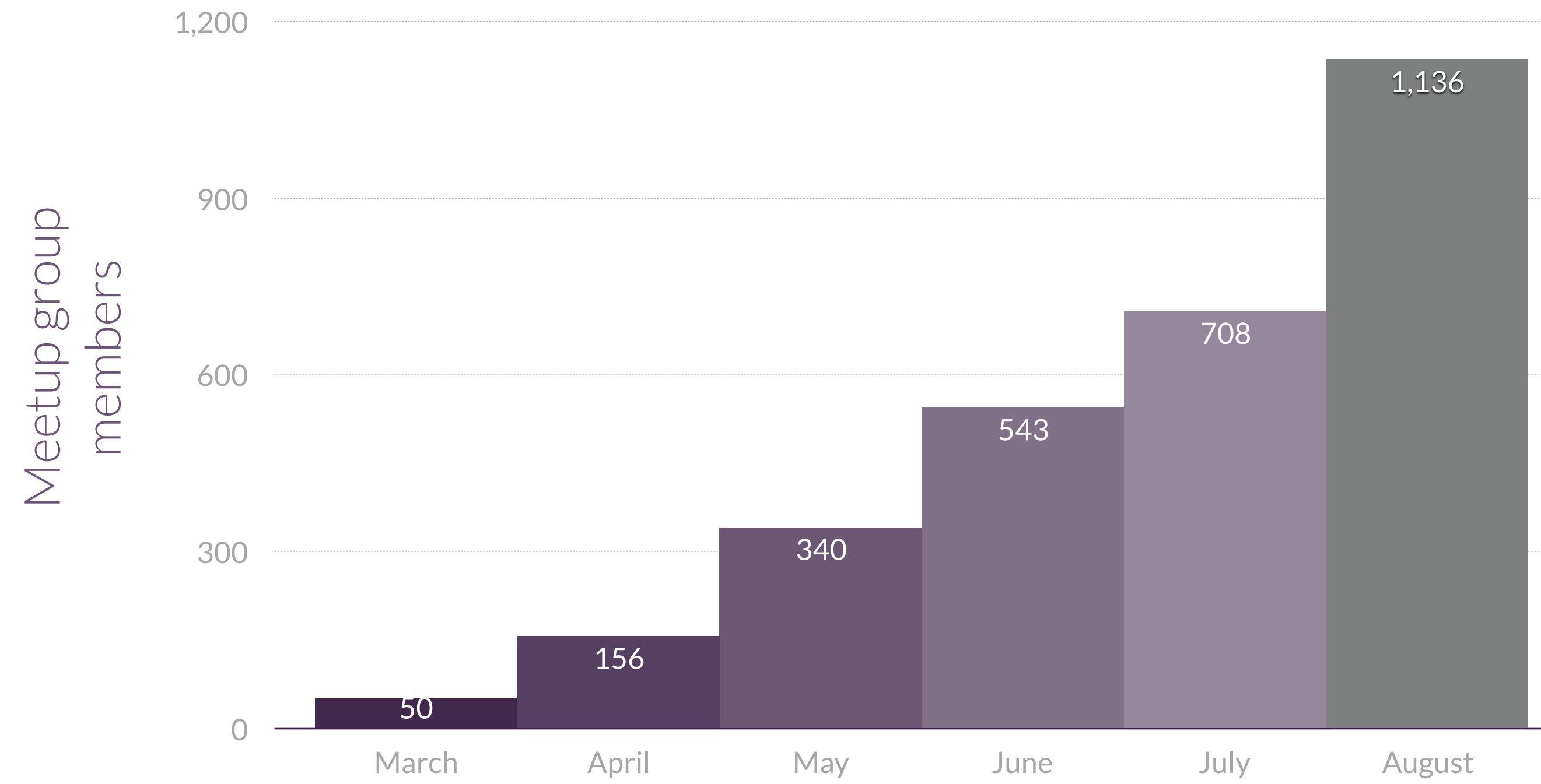
1,674
members

6
interested

14
Meetups

14
cities
7
countries

Meetup Groups (meetup.com/topics/blockstack)



Blockstack Community Members



Larry Salibra



Jude Nelson



Guy Lepage



Muneeb Ali



Ryan Shea



Elizabeth Stark



John Light



Jorge Tapia



Daniel Buchner



Michael Freedman



Becky Berry





blockstack

What is Blockstack?

Blockstack makes building decentralized apps easy

Without Blockstack

Servers to deploy and maintain

Databases to set up and maintain

Identity management systems to build

Payment systems to build out

With Blockstack

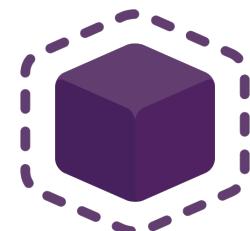
Server-less, just publish code

Users bring their own cloud storage

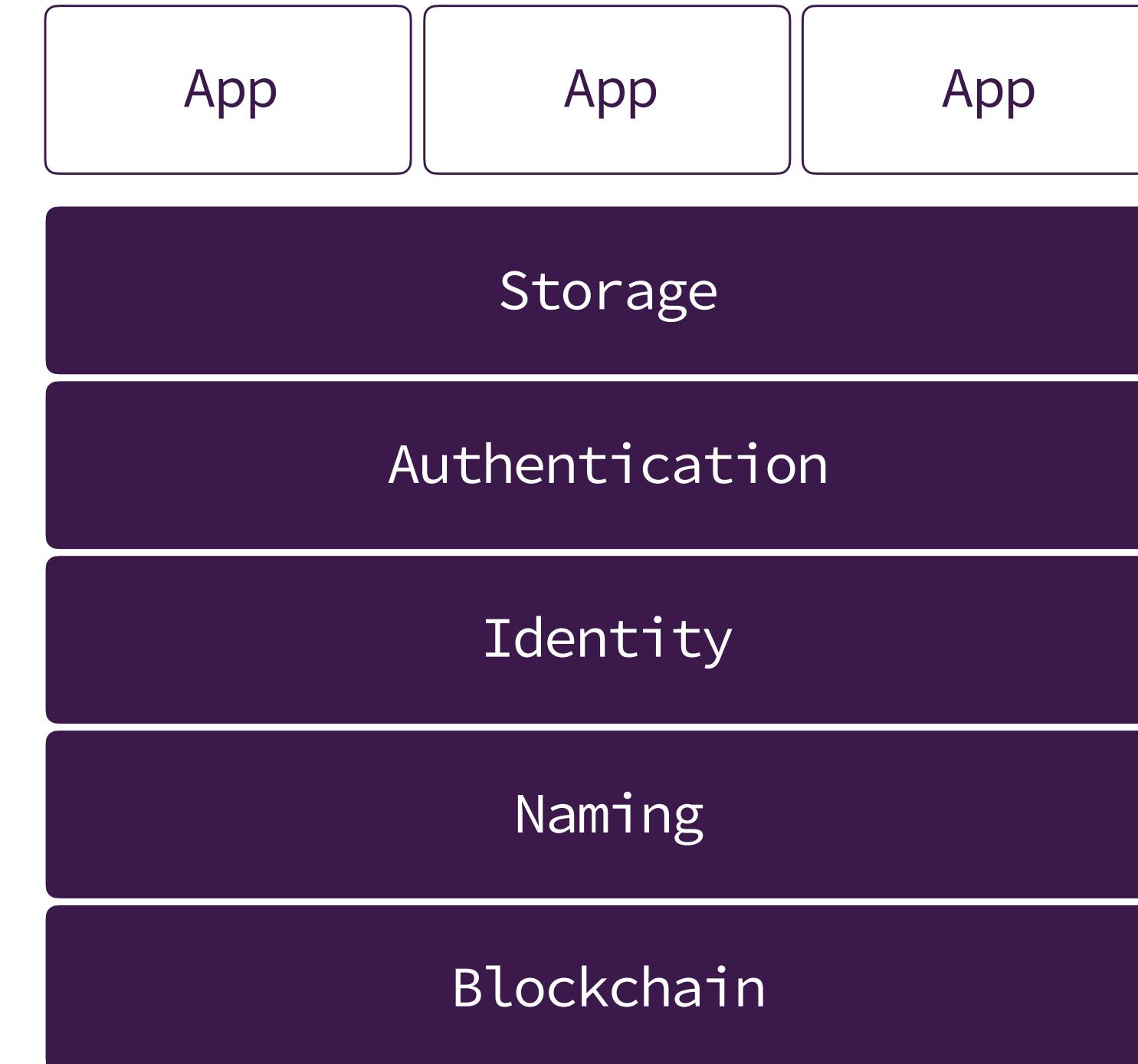
Identity natively built-in

Payments natively built-in

Blockstack Core

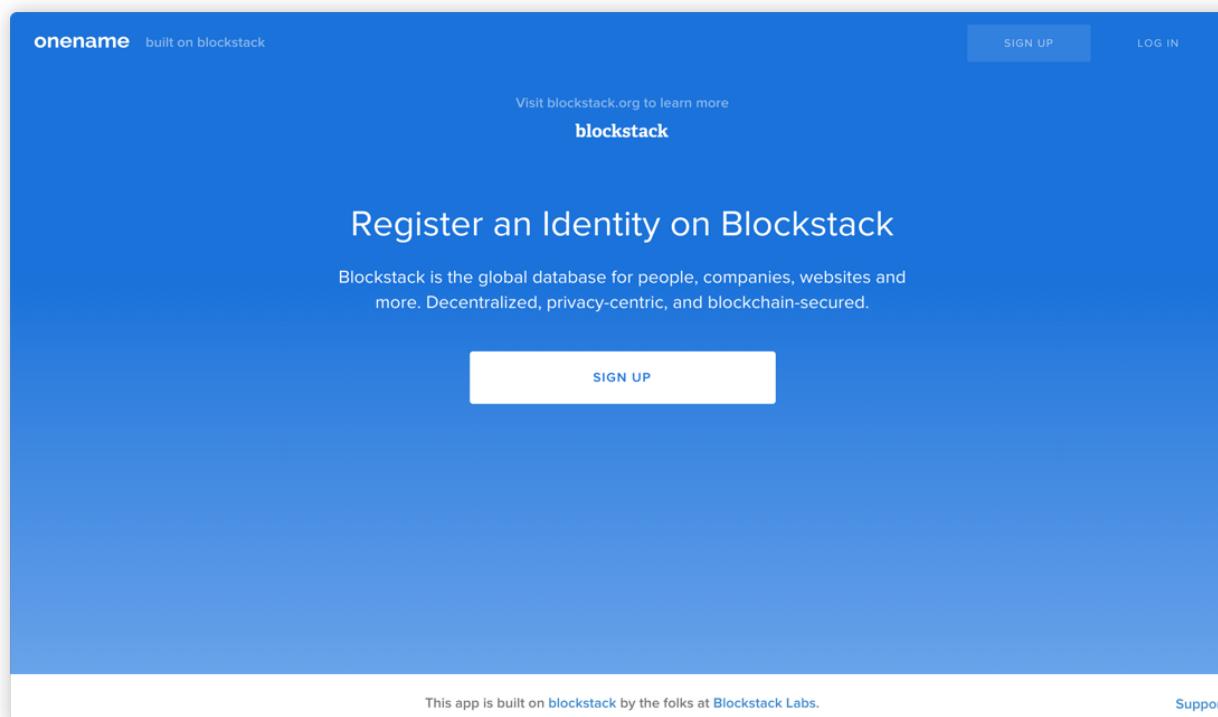


blockstack

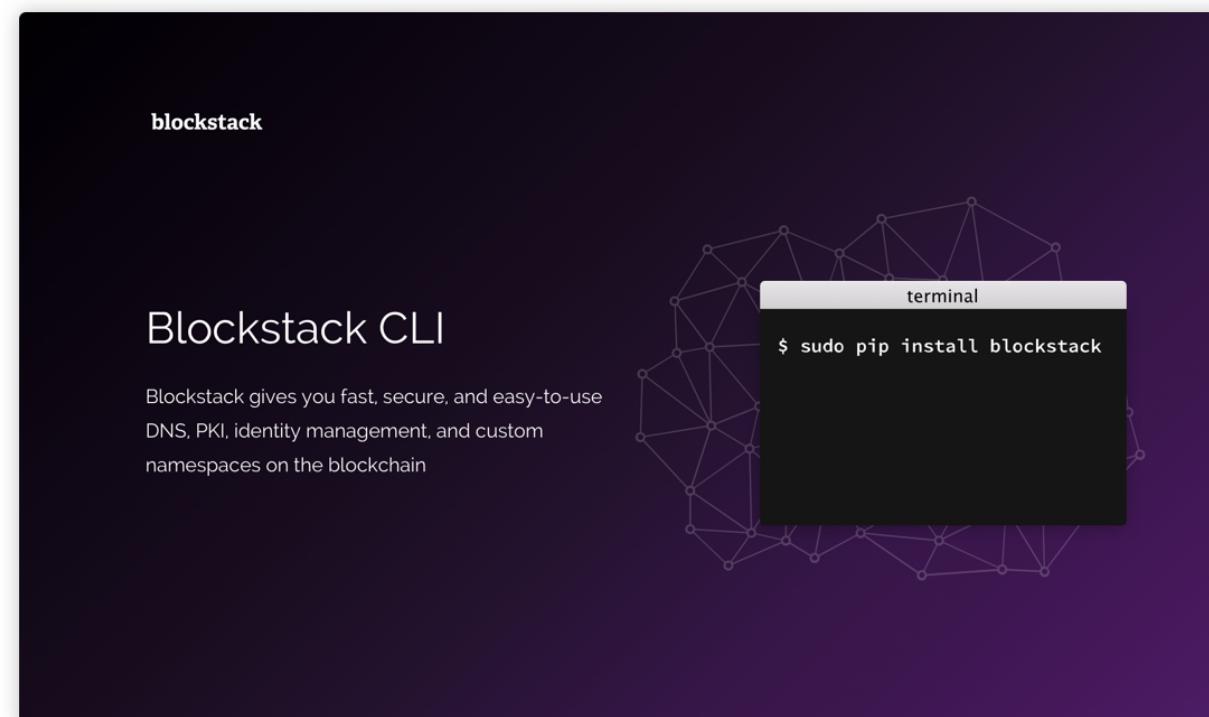


Blockstack Clients

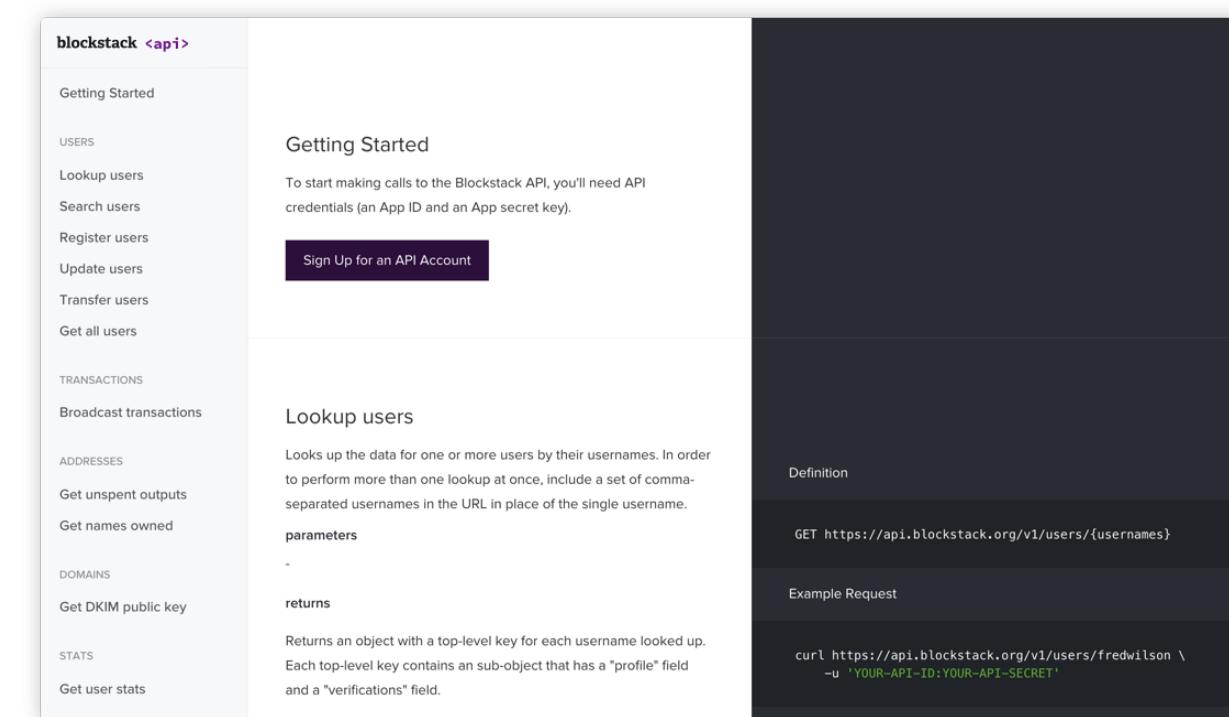
Onename Web App



Blockstack Command-line Interface



Blockstack Core



Blockstack Publications

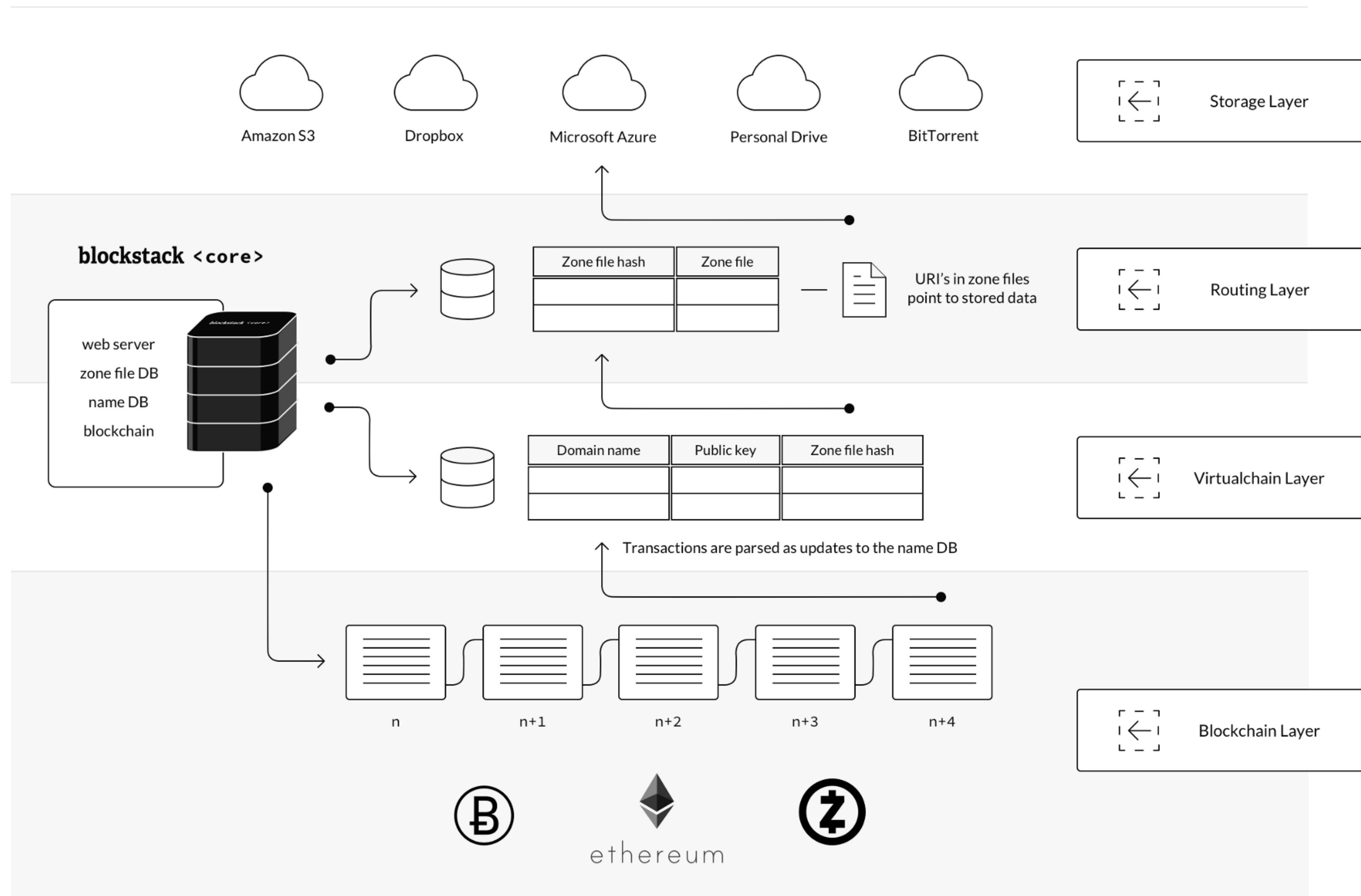
Blockstack: A Global Naming and Storage System Secured by Blockchains
USENIX Annual Technical Conference (ATC), June 2016

Bootstrapping Trust in Distributed Systems
USENIX ;login: 2016

Extending Existing Blockchains with Virtualchain
Distributed Cryptocurrencies and Consensus Ledgers (DCCL), July 2016

Blockstack Architecture

A platform for decentralized applications





blockstack

New Releases

Blockstack iOS Client

The screenshot shows a GitHub repository page for the 'blockstack-ios-client' project. The repository is owned by 'blockstack' and contains 73 commits, 2 branches, 0 releases, and 2 contributors. The master branch is selected. The repository description is 'iOS client for blockstack-server'. The README.md file is visible at the bottom.

GitHub - blockstack/blockstack

GitHub, Inc. [US] https://github.com/blockstack/blockstack-ios-client

Personal Open source Business Explore Pricing Blog Support This repository Search Sign in Sign up

blockstack / blockstack-ios-client

Code Issues 0 Pull requests 0 Projects 0 Pulse Graphs

iOS client for blockstack-server

73 commits 2 branches 0 releases 2 contributors MIT

Branch: master New pull request Find file Clone or download

itsProf committed on GitHub Merge pull request #3 from blockstack/swift3 ... Latest commit bc638a9 an hour ago

Blockstack.xcodeproj Update project settings 2 months ago

Blockstack Update code for Swift 3 2 months ago

.gitignore Update .gitignore 3 months ago

Blockstack.podspec Update dependencies 2 months ago

LICENSE Create LICENSE 4 months ago

Podfile Update dependencies 2 months ago

README.md Update README.md an hour ago

README.md

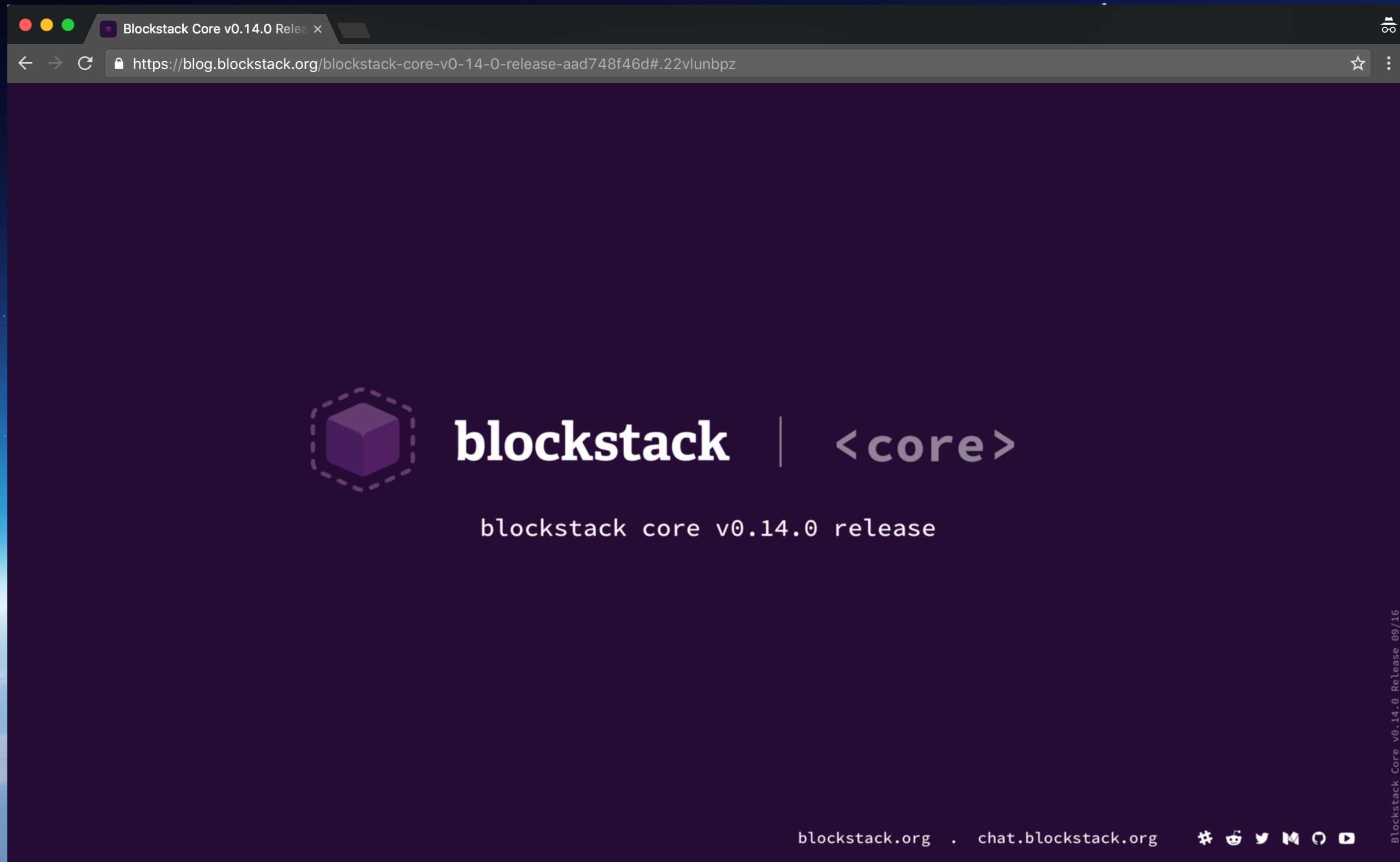
blockstack-ios-client

iOS client for blockstack-server.

Installation

Installation is done through [CocoaPods](#), a Swift and Objective-C dependency manager. Visit their site for more information about [CocoaPods](#) configuration and installation.

Blockstack Core v0.14.0



Blockstack Name Explorer

The screenshot shows a web browser window titled "433639 | Blockstack Explorer" at the URL <https://explorer.blockstack.org/nameops/433639>. The page has a purple header with tabs for "blockstack", "Blocks", and "Status". A search bar is located in the top right. The main content area displays "Block #433639 Name Operations" and its consensus hash "d29b9a5bb0b0055dfccfe753d36bbb81".

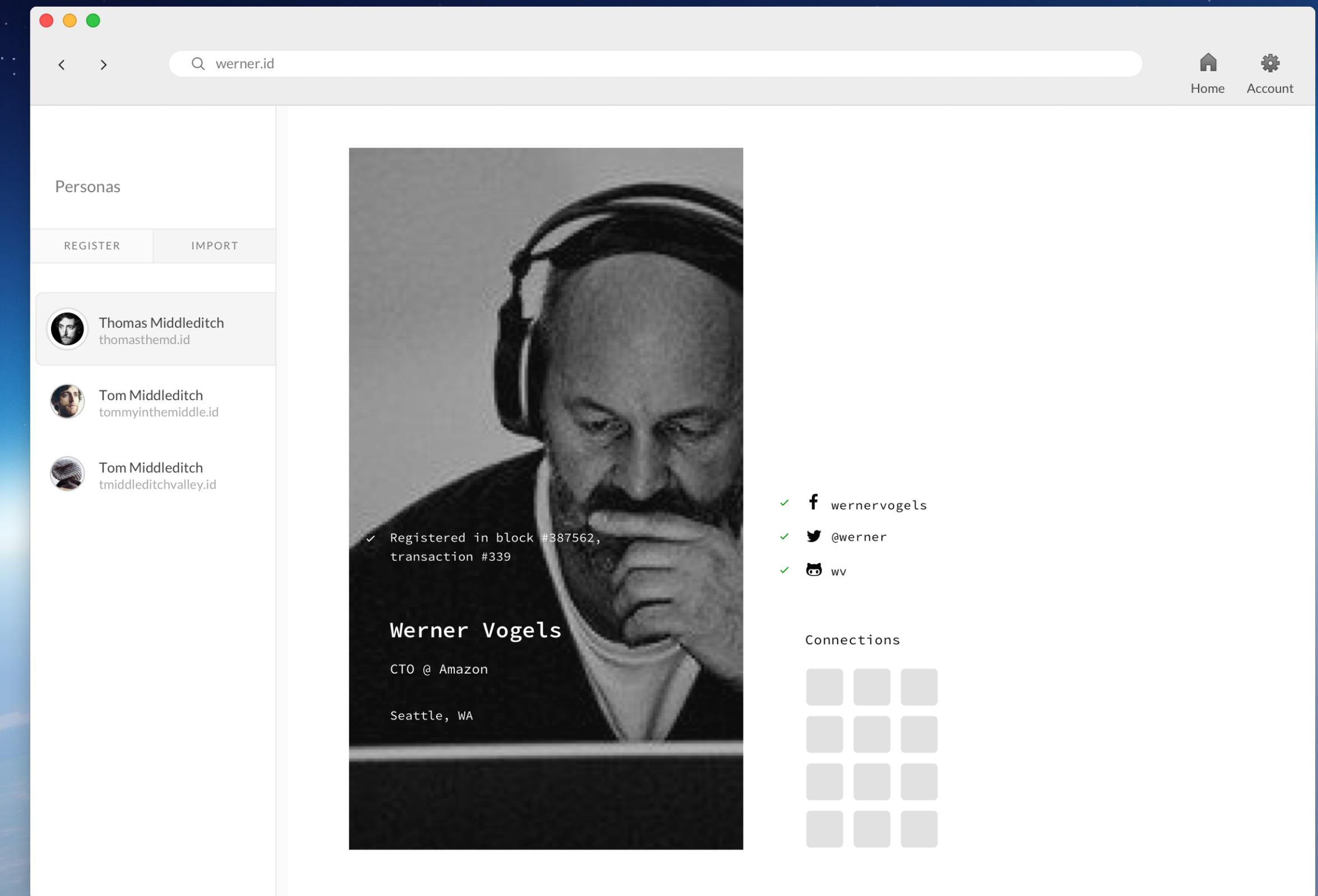
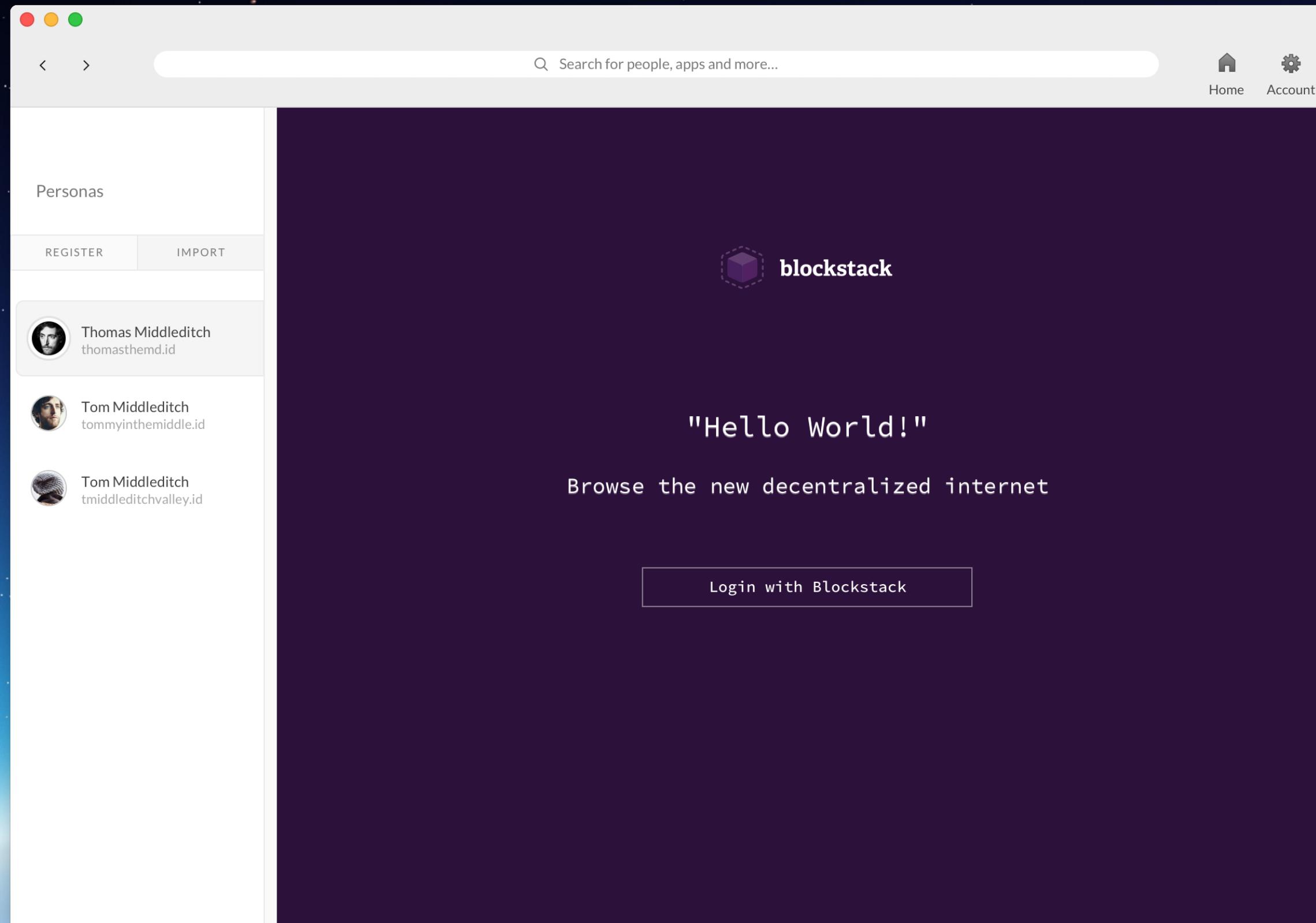
Summary

Total Operations	10
Name Preorders	0
Name Registrations	4
Name Updates	6
Name Transfers	0
Previous Block	433638

Operations

#91	NAME_REGISTRATION	hgg101.id	id	17MkzguQnVn7nMhEZkadL51naFCvPCTmK	OP FEE: 0.00025 BTC
#92	NAME_REGISTRATION	trustfm.id	id	17QEd6rrhNZp4xoyWu6BpA8NQ4axyNKaZy	OP FEE: 0.00025 BTC
#93	NAME_REGISTRATION	danmollerid	id	1JpPbpMpWxgknR3w9nePZre1MJoU1AR2FE	OP FEE: 0.00025 BTC
#95	NAME_REGISTRATION	drinkherenow.id	id	16eat8MbgmUEYmwX3r3gWgChnNKdpsyUcj	OP FEE: 0.00025 BTC
#131	NAME_UPDATE	mumbaid	id	10ccabip7FDXXoMvzQhcIIUicVX2dYK	OP FEE: 0.001 BTC

Blockstack Browser

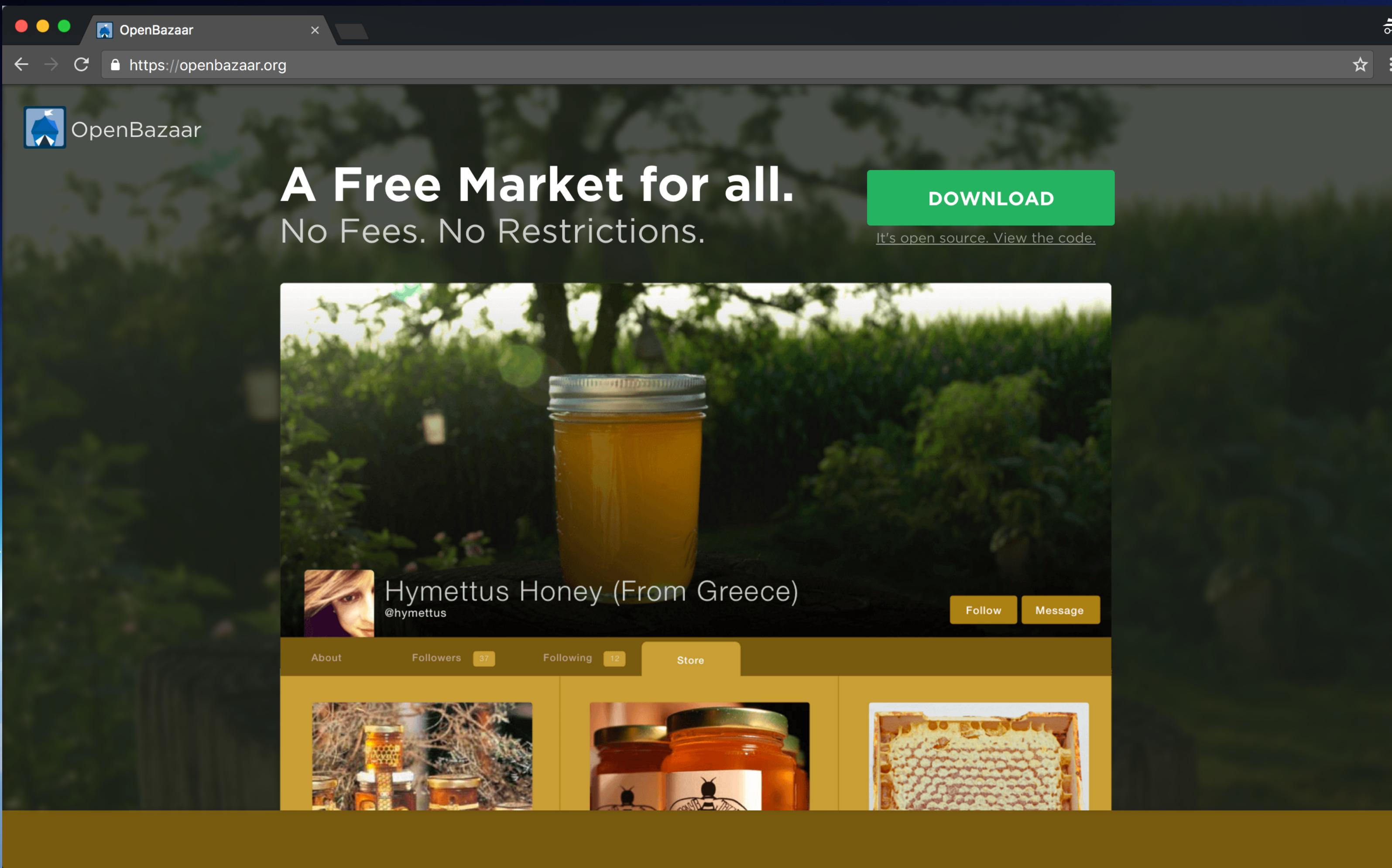




blockstack

Decentralized Applications

OpenBazaar



Alexandria

The screenshot shows a web browser window with the title "The Decentralized Library of AI" and the URL "www.alexandria.io/#creators-wanted". The main content features a dark background with a photograph of a concert stage with bright spotlights and a cheering crowd. Overlaid on this image is the text "CREATORS WANTED" in large, bold, white letters. Below it, a smaller white text reads "Independently Publish, Distribute, & Sell Digital Content". A blue button with the text "PUBLISH NOW" is centered in the lower half of the image. At the top right of the page, there are navigation links: "LEARN", "BROWSE", "SLACK", and "API". The overall theme is artistic and tech-oriented.

Twister

The image shows a screenshot of the Twister website and its user interface. The website has a dark header with the Twister logo and navigation links for Home, About, Contribute, Development, Download, FAQ, News, Press, Screenshots, and User resources. Below the header, there's a large image of the Twister interface. The interface features a sidebar with a user profile for 'Bart' (11 posts, 3 following, 25 followers), a 'POSTBOARD' section showing tweets from 'Mr Burns' and 'Bart', and a timeline with tweets from 'Mr Burns', 'Mona Lisa', and 'Bart'. A blue button labeled 'Download now' is visible on the website. The bottom of the page has three boxes: 'Free Speech', 'No Spying', and 'No IP recording'.

twister | P2P microblogging pla x twister.net.co

twister

Home About Contribute Development Download FAQ News Press Screenshots User resources

twister

Peer-to-peer microblogging

twister is the fully decentralized P2P microblogging platform leveraging from the free software implementations of Bitcoin and BitTorrent protocols.

Download now

Free Speech

No Spying

No IP recording

Decentralized Application Tutorials

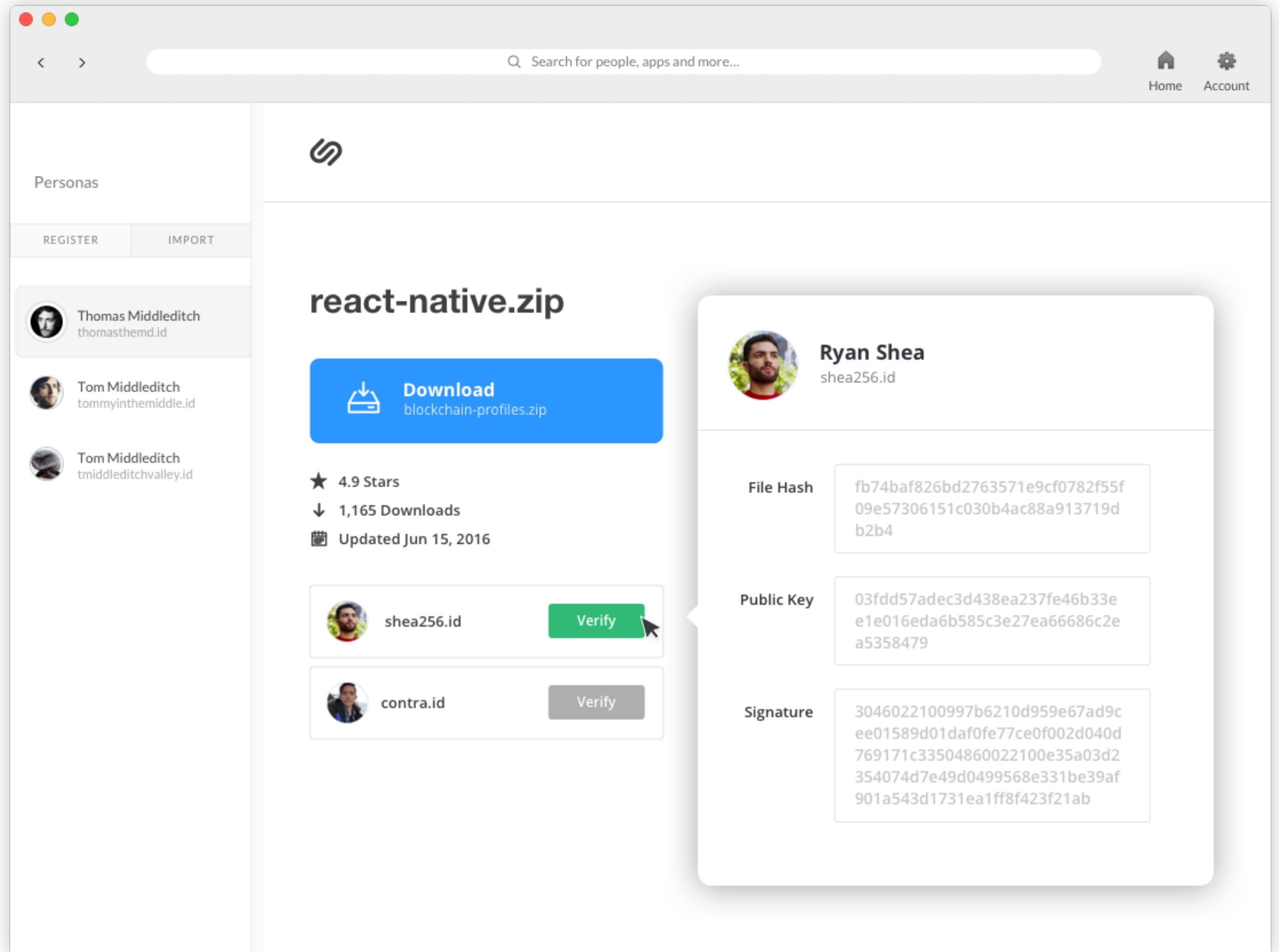
This screenshot shows a decentralized application interface. On the left, a sidebar lists "Personas" with three entries: Thomas Middleditch (thomasthemd.id), Tom Middleditch (tommyminthemiddle.id), and Tom Middleditch (tmiddleditchvalley.id). The main area displays a file named "react-native.zip". A blue button labeled "Download blockchain-profiles.zip" is present. Below it, a card for "Ryan Shea" (shea256.id) shows a profile picture, a 4.9 Stars rating, 1,165 Downloads, and an update date of Jun 15, 2016. It also includes "Verify" buttons for "shea256.id" and "contra.id".

This screenshot shows a decentralized voting application titled "Beacon" with the subtitle "decentralized voting". It features a poll for the "Homebrew Computer Club" in "Silicon Valley, CA". The question is "Who should be the Homebrew President?". The results are displayed in a bar chart:

Candidate	Vote Value (%)
Alice	20%
Bob	16%
Chelsey	36%
Dave	28%

The interface includes a "Audit Results" section with fields for "Blockstack ID" (e.g., fredwilson.id), "Public Key" (e.g., 03fdd57adec3d438ea237fe46b33e1e016eda6b585c3e27ea66686czea5358479), "Vote Value" (e.g., "I, Fred Wilson (fredwilson.id), hereby cast my vote for Alice for President of the Homebrew Computer Club on Sept 16, 2016 at 8:06 PM"), "Signature" (e.g., 3046022100997b6210d959e67ad9cee01589d01daf0fe77ce0f002d040d769171c33504860022100e35a03d2354074d7e49d0499568e331be39af901a543d1731ea1ff8f423f21ab), and "Blockstack ID" (e.g., werner.id).

This screenshot shows a decentralized social media application. On the left, a sidebar lists "Personas" with three entries: Thomas Middleditch (thomasthemd.id), Tom Middleditch (tommyminthemiddle.id), and Tom Middleditch (tmiddleditchvalley.id). The main area shows a feed of posts. One post by "Nina Geometrieva" (ningeo.id) is highlighted, featuring a profile picture, bio ("Investigative reporter covering the Panama Papers"), and a "Support Nina's Work!" button. Another post by "Nina Geometrieva" shows a message about the Panama Papers. A "Send Money" button is visible. A note at the bottom right states: "Takeaway: When releasing one product for multiple drastically different markets, always design with the least advanced market in mind."



Example app 1:

Secure Software Distribution

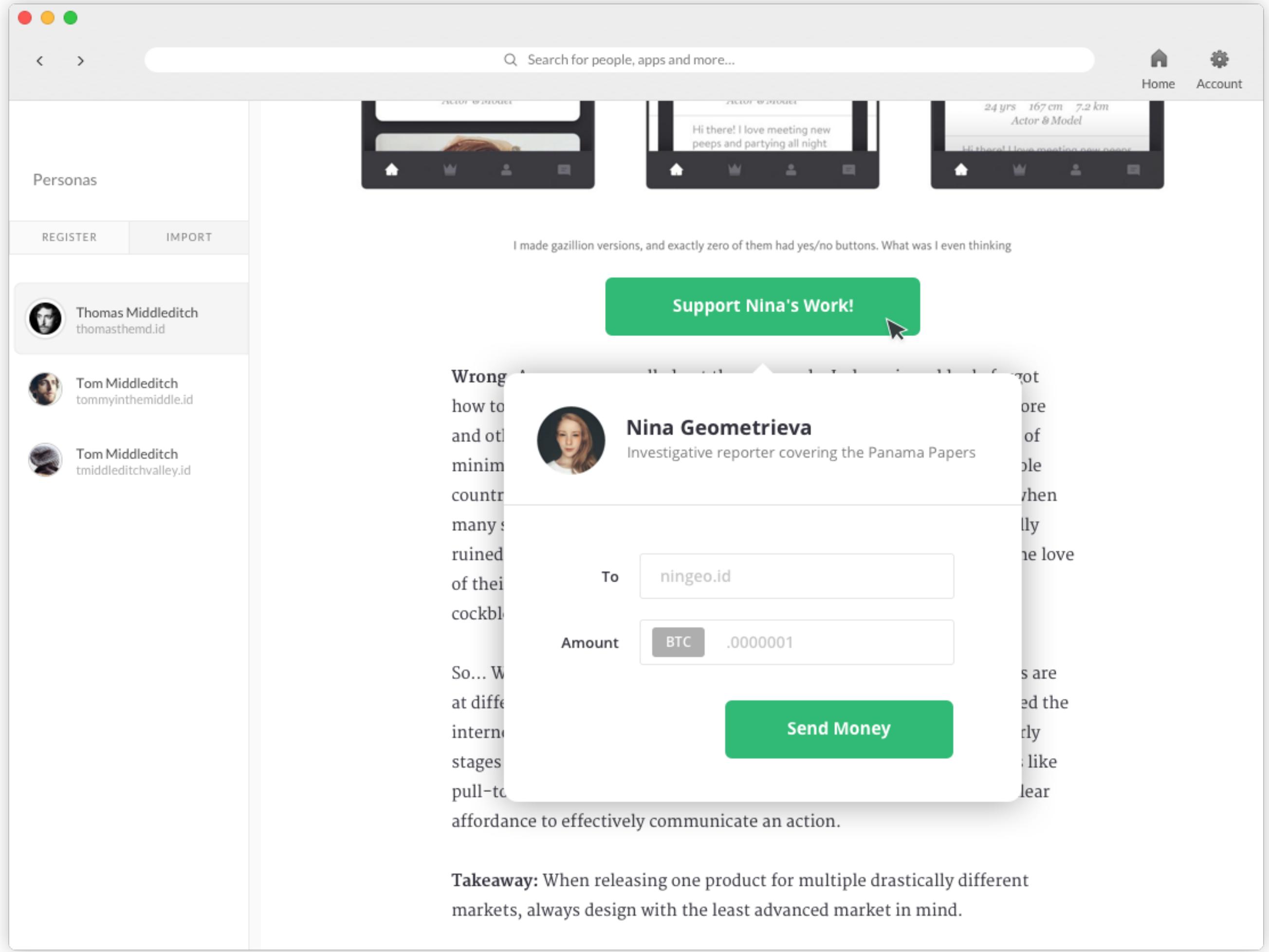
- Verify software came from known authors
- Protect packages by requiring multiple signers for updates
- Be free from package seizures & tampering

The screenshot shows the Beacon app interface. On the left, there's a sidebar with 'Personas' and buttons for 'REGISTER' and 'IMPORT'. Below that is a list of users: Thomas Middleditch (thomasthemid.id), Tom Middleditch (tommyinthemiddle.id), and Tom Middleditch (tmiddleditchvalley.id). The main area displays a poll titled 'Who should be the Homebrew President?' for the 'Homebrew Computer Club' in 'Silicon Valley, CA'. The poll options and their percentages are: Alice (20%), Bob (16%), Chelsey (36%), and Dave (28%). A large 'Audit Results' button is at the bottom. A modal window titled 'Audit Results' shows two entries. The first entry is for 'fredwilson.id' with a public key of '03fdd57adec3d438ea237fe46b33ee1e016eda6b585c3e27ea66686c2ea5358479'. The vote value is: "I, Fred Wilson (fredwilson.id), hereby cast my vote for Alice for President of the Homebrew Computer Club on Sept 16, 2016 at 8:06 PM". The second entry is for 'werner.id' with a public key of '5c3e27ea66686c2edec3d438ea237fe46b33'. The text 'Polls are open 6 AM–9 PM. If you' is partially visible at the bottom.

Example app 2:

Publicly Audit-able Voting

- Conduct votes in a decentralized way
- Allow anyone to audit the vote results



Example app 3:

Crowdfunded Investigative Reporting

- Allow readers to financially back your writing & reporting
- Retain full ownership of your content
- Don't worry about domains & servers



blockstack

Thank you

blockstack.com



blockstack

Building a new decentralized internet