IndieAuth

Own your online identity

aaronparecki.com @aaronpk

Open Source Bridge – Portland, Oregon – June 26, 2012

Why IndieAuth?

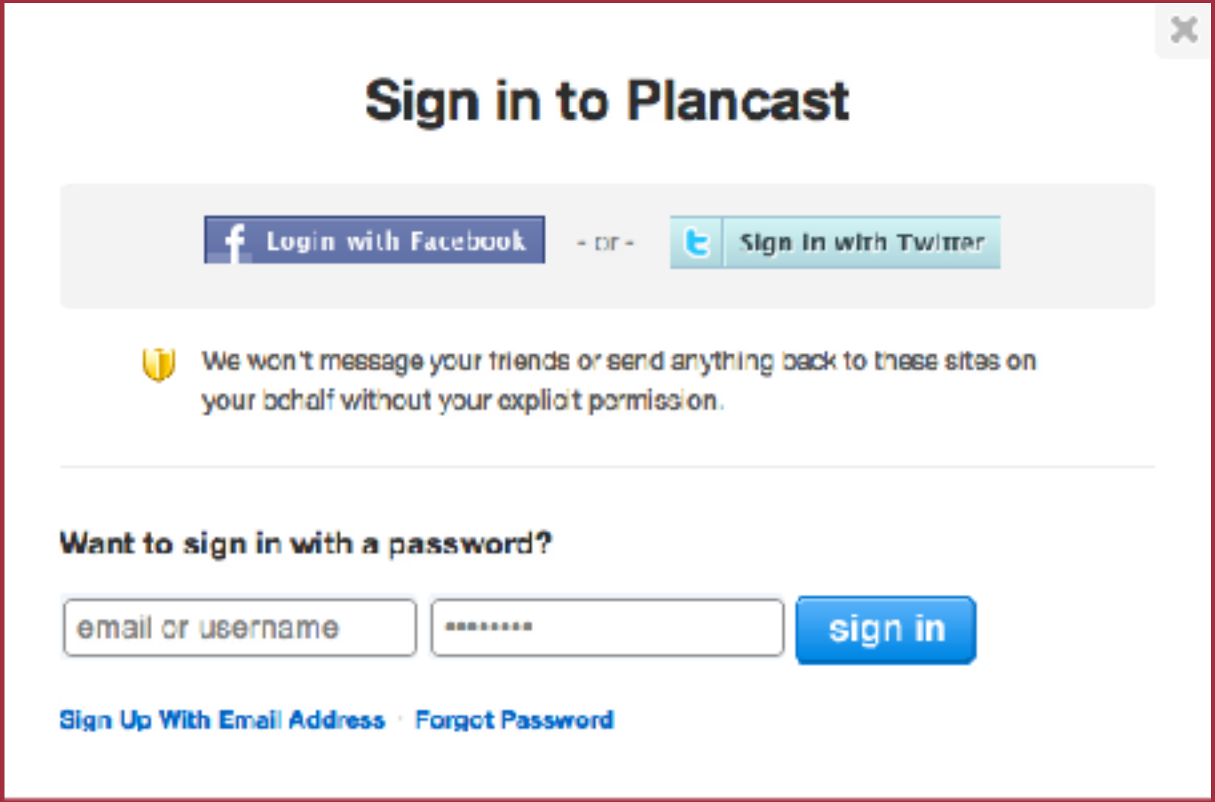
"You're here because you know something. What you know you can't explain, but you feel it. You've felt it your entire life, that there's something wrong with the world [wide web]."

— Morpheus, The Matrix

Who am I?

Login with Facebook	http://facebook.com/aaronpk
in Sign in with LinkedIn	http://www.linkedin.com/in/aaronparecki
Login with GitHub	https://github.com/aaronpk
Sign in with Google	http://profiles.google.com/aaron.parecki
SIGN IN WITH FOURSQUARE	https://foursquare.com/aaronpk
Sign in with Instagram	n/a
Sign in with OpenID	http://aaronparecki.com

Who am I?



Sign in to Plancast

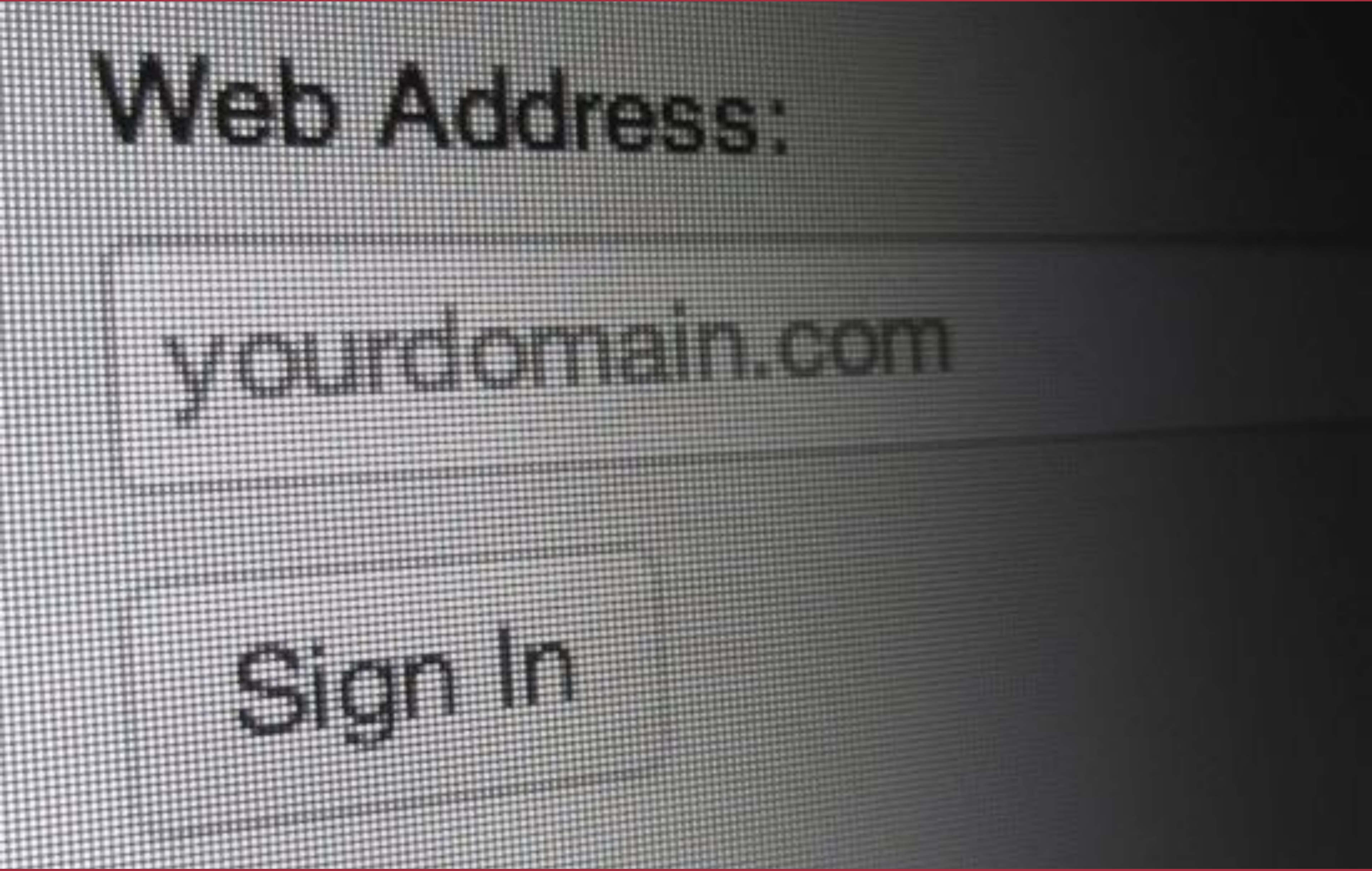
We won't message your friends or send anything back to these sites on your behalf without your explicit permission.

Want to sign in with a password?

“Which did I use when I signed up?”

Who am I?

aaronparecki.com



Web Address:

yourdomain.com

… but this sounds like OpenID?

OpenID is a step in the right direction.

IndieAuth was designed to be easy for users and easy for developers to start using right away, without the complexities of OpenID.

Takes advantage of existing user behavior:

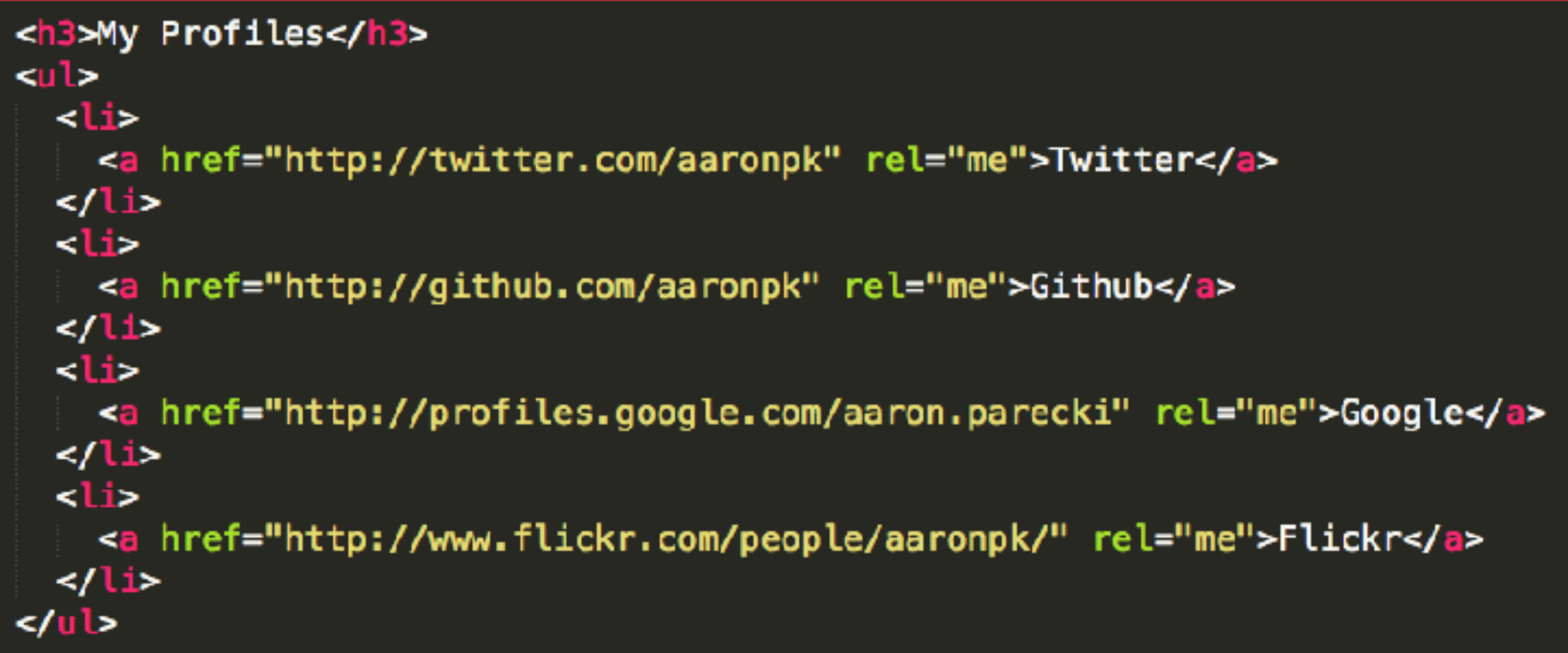
People already link to other social profiles
on their home pages

Separation of authentication code and application logic

(I really did not want to write OAuth code for half a dozen services in the MediaWiki authentication system)

How to set up IndieAuth

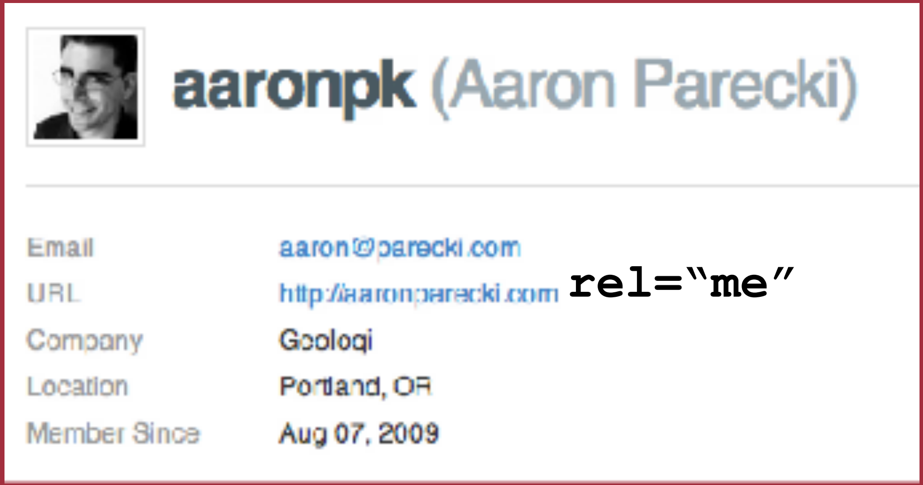
1. Link to your profiles on auth provider sites



```
<h3>My Profiles</h3>
<ul>
  <li>
    <a href="http://twitter.com/aaronpk" rel="me">Twitter</a>
  </li>
  <li>
    <a href="http://github.com/aaronpk" rel="me">Github</a>
  </li>
  <li>
    <a href="http://profiles.google.com/aaron.parecki" rel="me">Google</a>
  </li>
  <li>
    <a href="http://www.flickr.com/people/aaronpk/" rel="me">Flickr</a>
  </li>
</ul>
```

How to set up IndieAuth

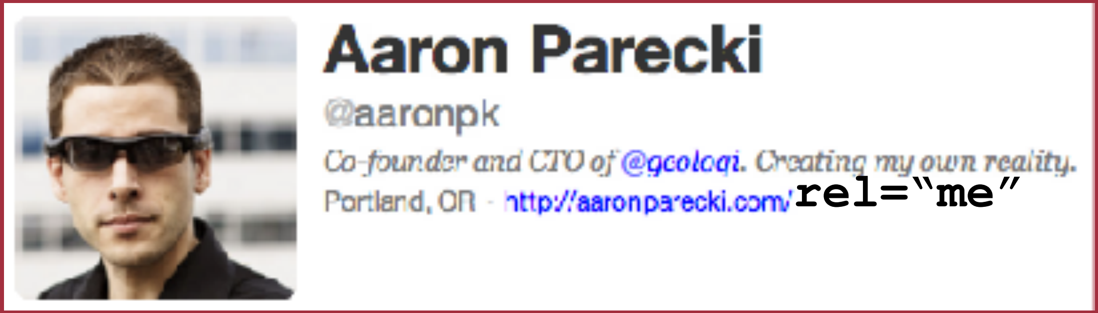
2. Ensure your external profiles link back to your domain



aaronpk (Aaron Parecki)

Email	aaron@parecki.com
URL	http://aaronparecki.com
Company	Geoloqi
Location	Portland, OR
Member Since	Aug 07, 2009

rel="me"



Aaron Parecki

@aaronpk

Co-founder and CTO of @geoloqi. Creating my own reality.

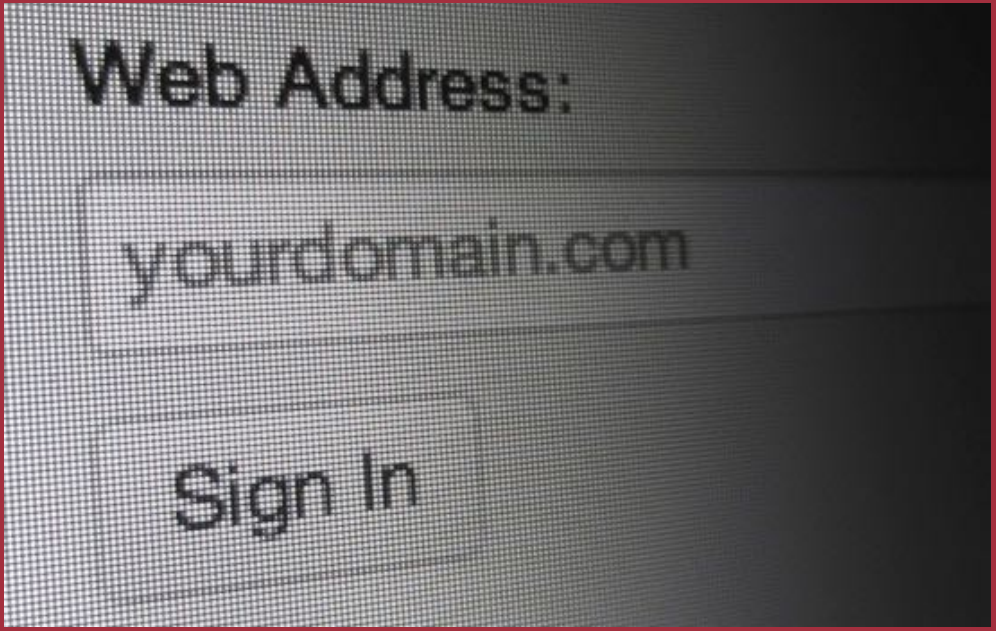
Portland, OR · http://aaronparecki.com/

rel="me"

How to set up IndieAuth

3. There is no Step Three

How to set up IndieAuth



Web Address:

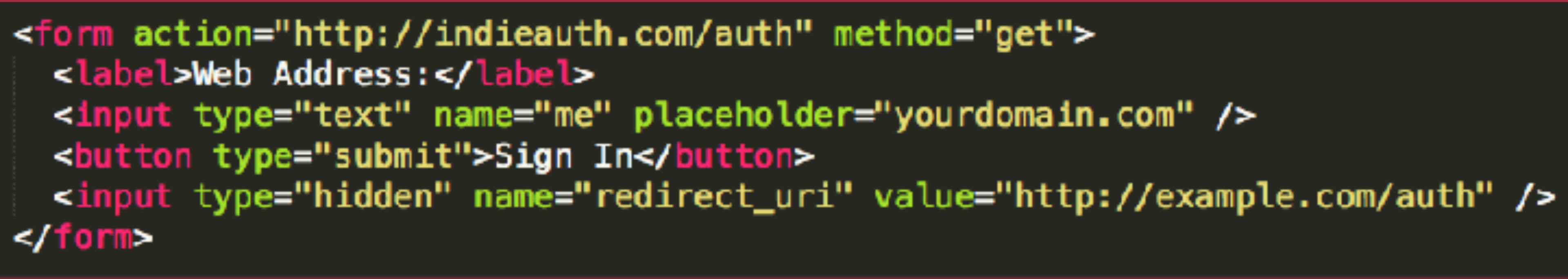
yourdomain.com

Sign In

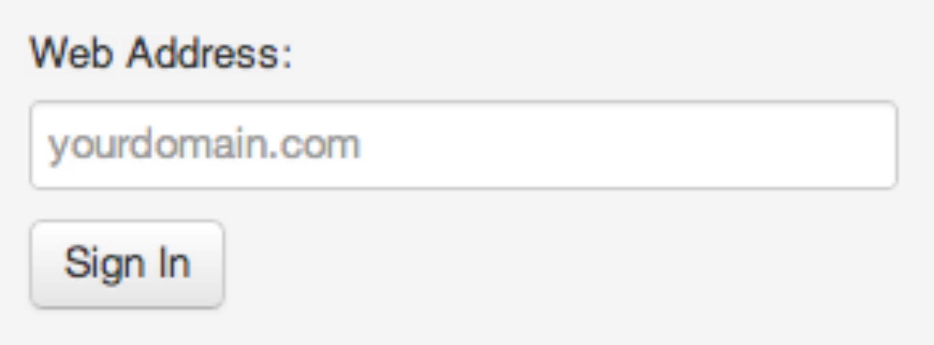
Now you can sign in using your domain!

How it works

Create the web sign-in form



```
<form action="http://indieauth.com/auth" method="get">
  <label>Web Address:</label>
  <input type="text" name="me" placeholder="yourdomain.com" />
  <button type="submit">Sign In</button>
  <input type="hidden" name="redirect_uri" value="http://example.com/auth" />
</form>
```



How it works

The user starts the auth flow

```
http://indieauth.com/auth
    ?me=aaronparecki.com
    &redirect_uri=http://example.com/auth
```

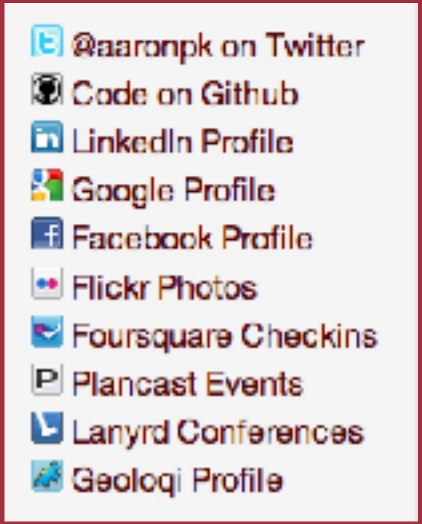
How it works

The IndieAuth.com website searches for rel=“me” links

- First look for OpenID delegate tags
- Iterate through all recognized rel-me links
  - if a rel-me destination is online, and
  - if the rel-me target links back to the user’s page
  - then begin the OAuth process with the target

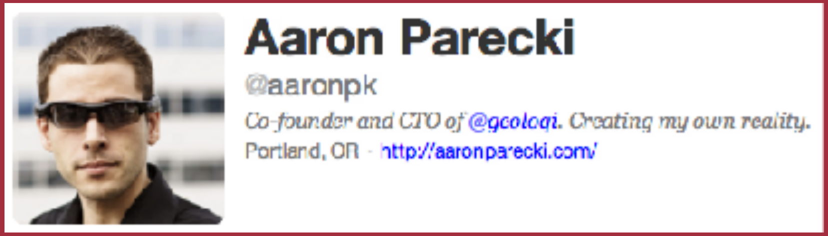
How it works

aaronparecki.com



- @aaronpk on Twitter
- Code on Github
- LinkedIn Profile
- Google Profile
- Facebook Profile
- Flickr Photos
- Foursquare Checkins
- Plancast Events
- Lanyrd Conferences
- Geoloqi Profile

twitter.com/aaronpk



Aaron Parecki

@aaronpk

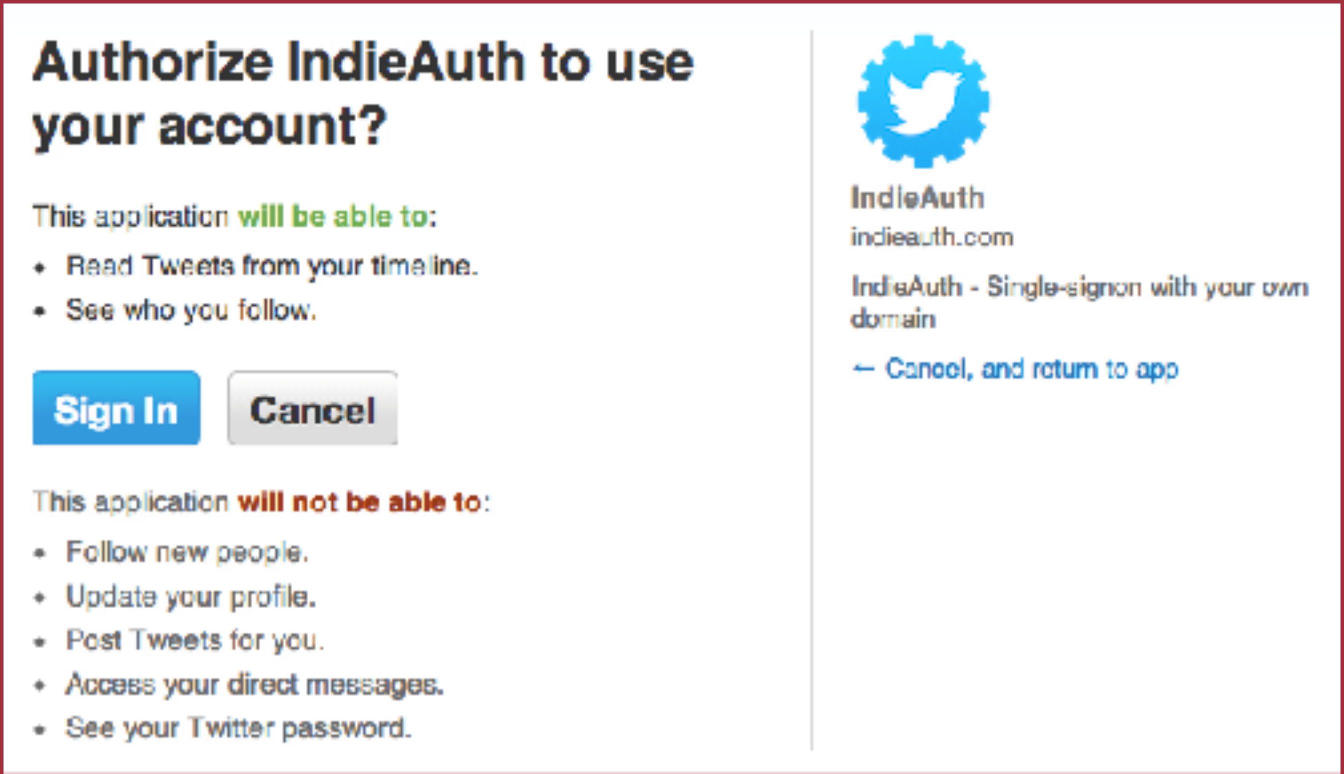
Co-founder and CTO of @geoloqi. Creating my own reality.

Portland, OR · http://aaronparecki.com/

✓ verified

How it works

indieauth.com handles OAuth with external services



Authorize IndieAuth to use your account?

This application **will be able to**:

- Read Tweets from your timeline.
- See who you follow.

This application **will not be able to**:

- Follow new people.
- Update your profile.
- Post Tweets for you.
- Access your direct messages.
- See your Twitter password.

IndieAuth

indieauth.com

IndieAuth - Single-signon with your own domain

← Cancel, and return to app

How it works

Twitter OAuth completed at indieauth.com

Now identity is verified, finish IndieAuth flow

How it works

IndieAuth redirects the visitor back
to your redirect URI
with a token in the query string

```
http://example.com/auth
       ?token=gk7n4opsyuUxhvF4
```

How it works

Verify the token with indieauth.com

```
GET http://indieauth.com/session
           ?token=gk7n4opsyuUxhvF4
```

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8
{
  "me": "http://aaronparecki.com/"
}
```

Summary

User visits indieauth.com/auth?me=aaronparecki.com
        &redirect_uri=example.com/auth

User is verified at their authentication provider of choice

User is redirected back to your site
    example.com/auth?token=gk7n4opsyuUxhvF4

Your site verifies token with indieauth.com
    GET http://indieauth.com/session
        ?token=gk7n4opsyuUxhvF4

Verified response

```
{
  "me":"http://aaronparecki.com/"
}
```

Summary

IndieAuth

User visits indieauth.com/auth?me=aaronparecki.com
&redirect_uri=example.com/auth

RelMeAuth

User is verified at their authentication provider of choice

IndieAuth

User is redirected back to your site
example.com/auth?token=gk7n4opsyuUxhvF4

Your site verifies token with indieauth.com
GET http://indieauth.com/session
?token=gk7n4opsyuUxhvF4

Verified response

```
{
  "me":"http://aaronparecki.com/"
}
```

FAQ

How does it choose which provider to use?

The authentication mechanism is chosen as the first of the following:

- An OpenID delegate tag
- The first verified online recognized OAuth provider

FAQ

For example:

Today, it may use Twitter.com

Tomorrow, if Twitter is down, it may use Github

In all cases, I end up signing in as
aaronparecki.com
regardless of the authentication provider I used

FAQ

What if indieauth.com goes down?

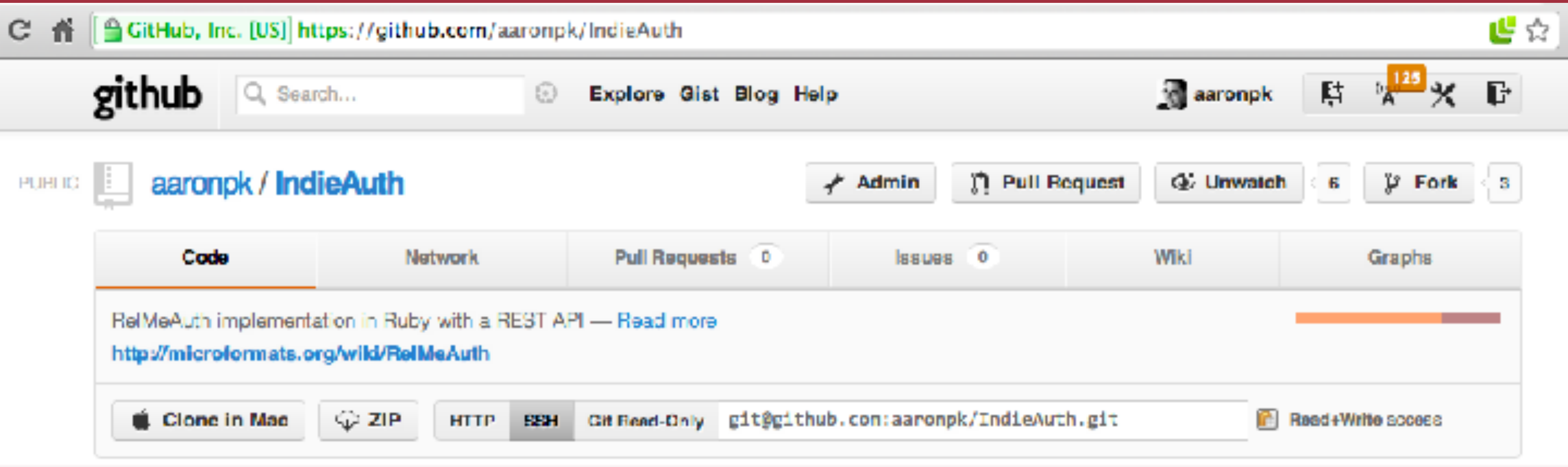
Run it on your own server!

Run the code on a subdomain of your own server, i.e. auth.example.com

or integrate the logic into your application

Source Code

github.com/aaronpk/IndieAuth



GitHub, Inc. [US] https://github.com/aaronpk/IndieAuth

aaronpk / IndieAuth

RelMeAuth implementation in Ruby with a REST API — Read more

http://microformats.org/wiki/RelMeAuth

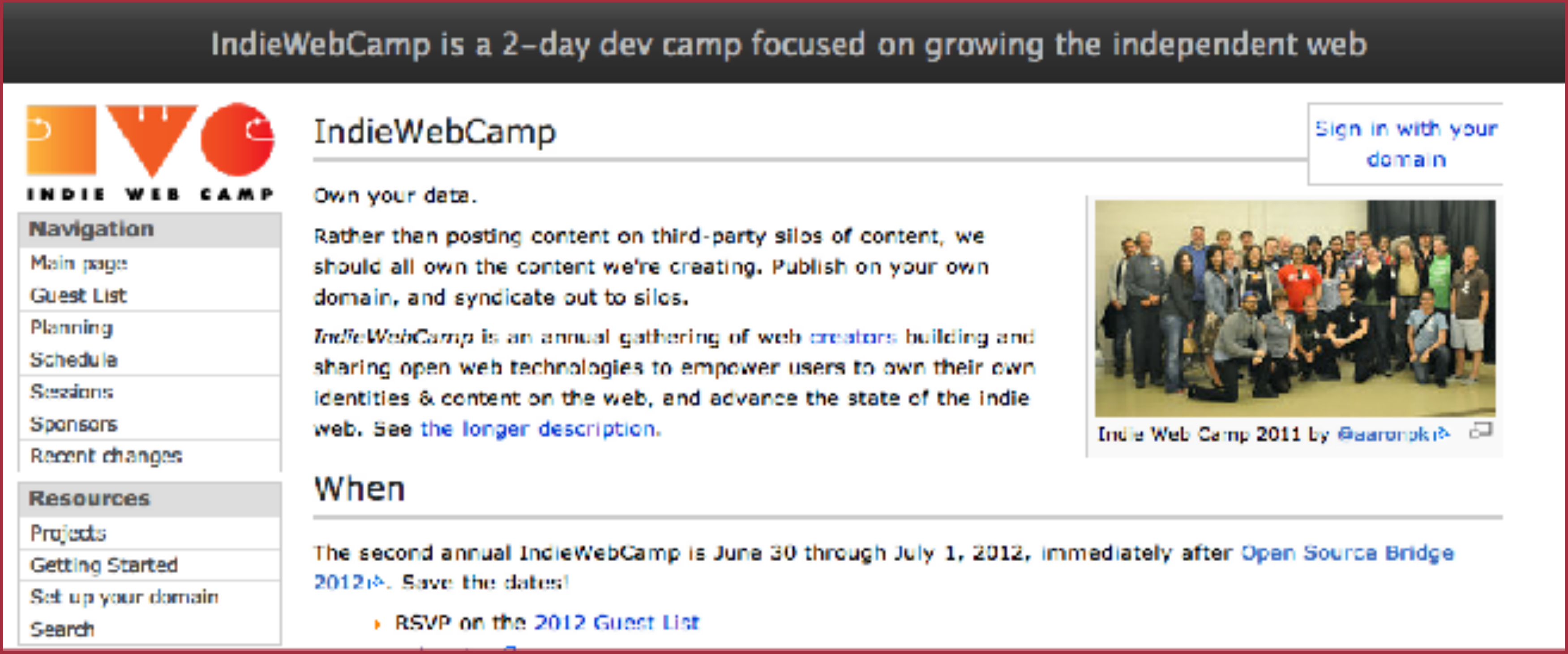
git@github.com:aaronpk/IndieAuth.git

RelMeAuth implementation with a REST API

I can only show you the door, you have to walk through it.

This is awesome. Where can I learn more?

IndieWebCamp! Sat & Sun – Come build cool things!



IndieWebCamp is a 2-day dev camp focused on growing the independent web

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- Recent changes

Resources

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- Getting Started
- Set up your domain
- Search

IndieWebCamp

Own your data.

Rather than posting content on third-party silos of content, we should all own the content we're creating. Publish on your own domain, and syndicate out to silos.

IndieWebCamp is an annual gathering of web creators building and sharing open web technologies to empower users to own their own identities & content on the web, and advance the state of the indie web. See the longer description.

Indie Web Camp 2011 by @aaronpk

When

The second annual IndieWebCamp is June 30 through July 1, 2012, immediately after Open Source Bridge 2012. Save the dates!

- RSVP on the 2012 Guest List

indiewebcamp.com

Thank You.

IndieAuth: Own your online identity

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