Matt's PSGI Archive

Conference
Driven
Development

Conference
Driven
~~Development~~

Conference Driven Thinking

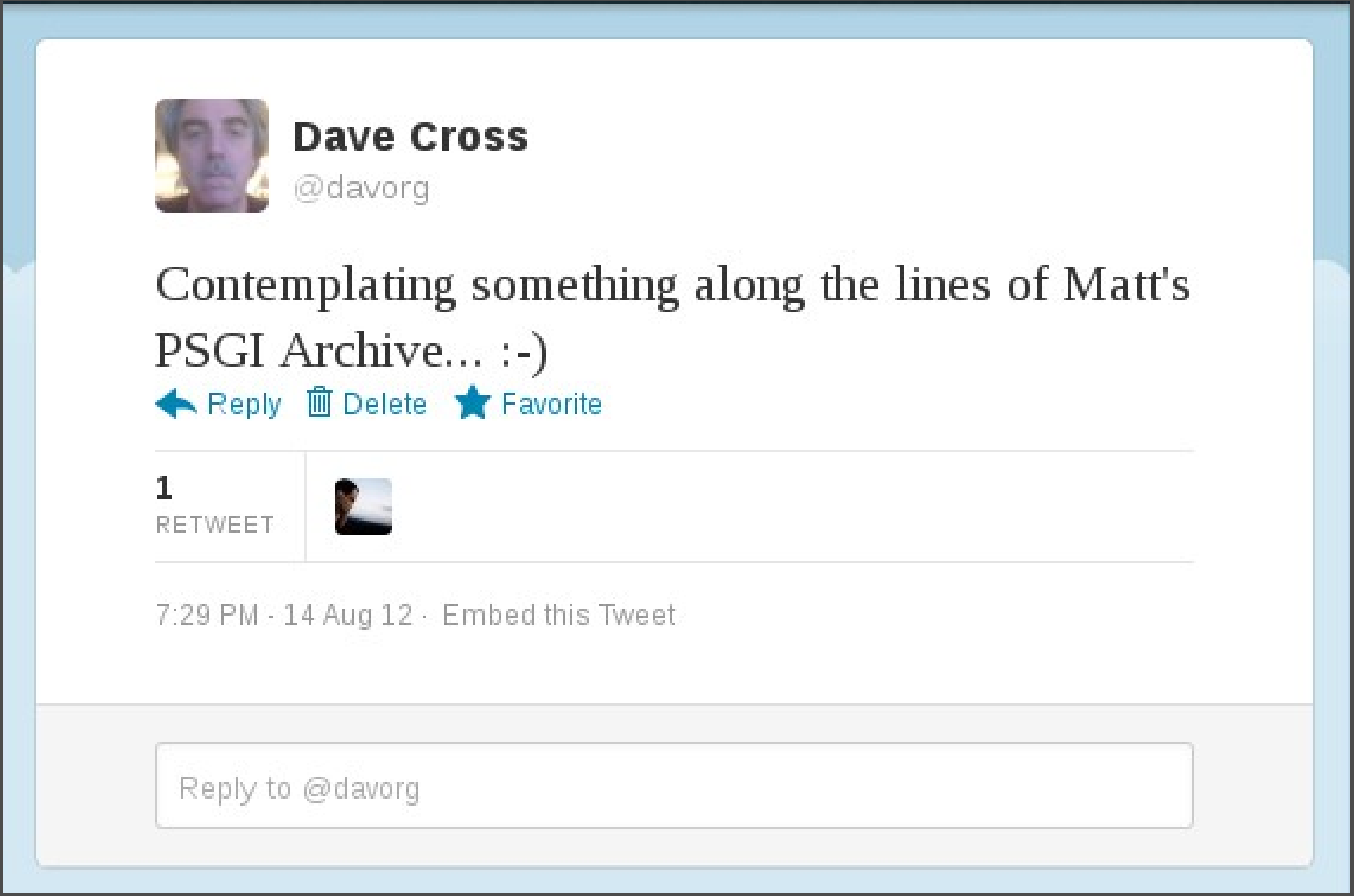
I blame Leo Lapworth

London.pm
Tech Meet

14th August

Talking about PSGI

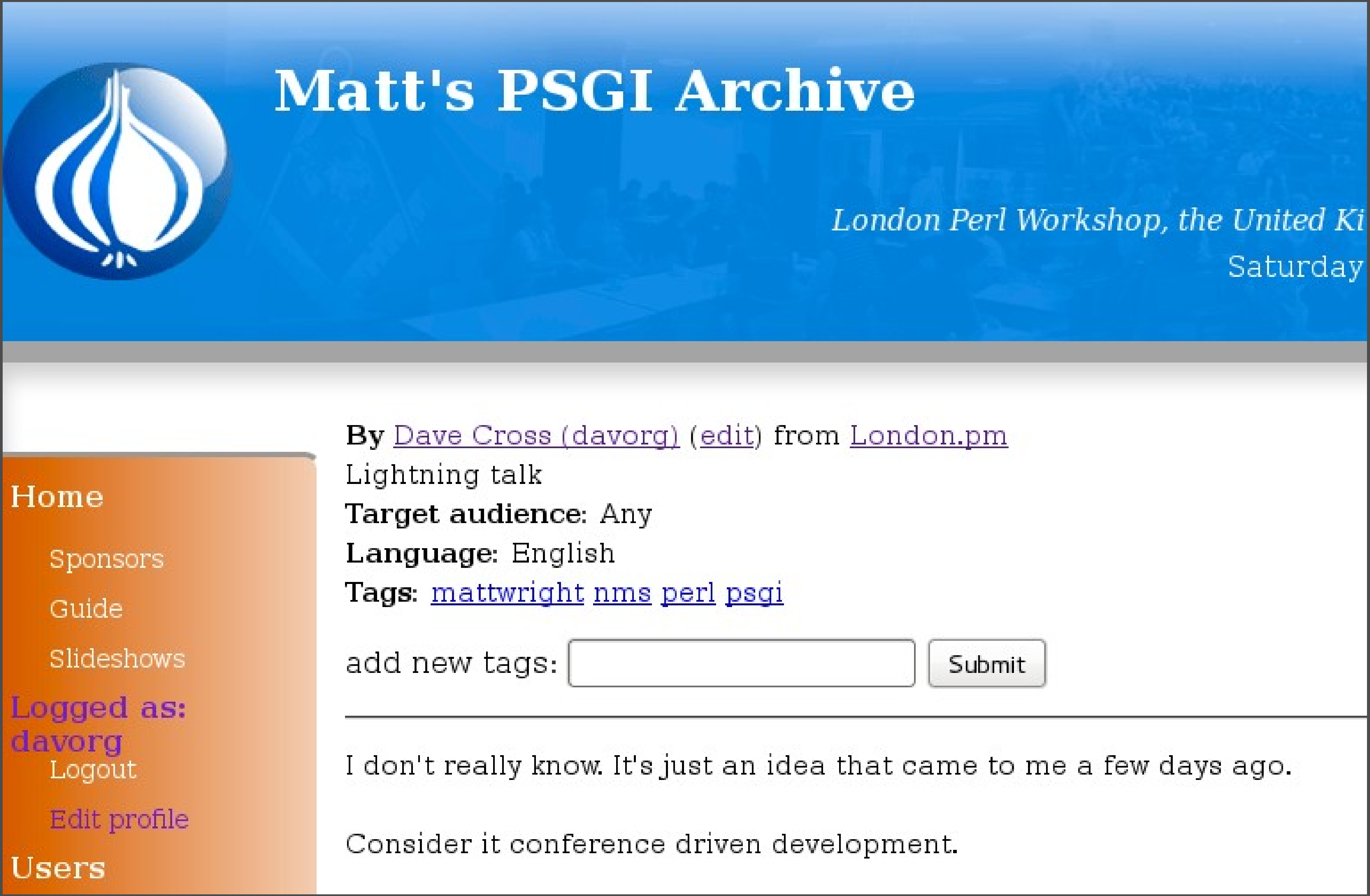
Mentioned
Matt Wright



Dave Cross
@davorg

Contemplating something along the lines of Matt's PSGI Archive... :-)

7:29 PM - 14 Aug 12 · Embed this Tweet



By Dave Cross (davorg) (edit) from London.pm
Lightning talk
Target audience: Any
Language: English
Tags: mattwright nms perl psgi

I don't really know. It's just an idea that came to me a few days ago.

Consider it conference driven development.

Some history

1995

Most popular Perl web site on the web

Most well-known Perl code on the internet

FormMail

Most widely installed Perl program on the internet

Most popular spamming tool on the internet

Terrible example of Perl programming

Popular

!=

Good

People “learn” Perl from copying Matt's code

People learn “Perl” from copying Matt's code

2001

Not Matt's Scripts

The *nms* Project

Web programs written by experts

New versions of Matt's scripts

Fewer Bugs

Fewer Security Holes

Higher quality code

Coding constraints

Targeting cheap hosting plans

1. No CPAN Modules

2. Perl 5.004_04

(First version to include CGI.pm)

Interesting challenge

“Interesting” challenge

Results not completely satisfactory

No Template Toolkit

No Email::*

Not best practice

(Even for 2001)

2012

NMS looks embarrassing

Perl web programming has changed a lot

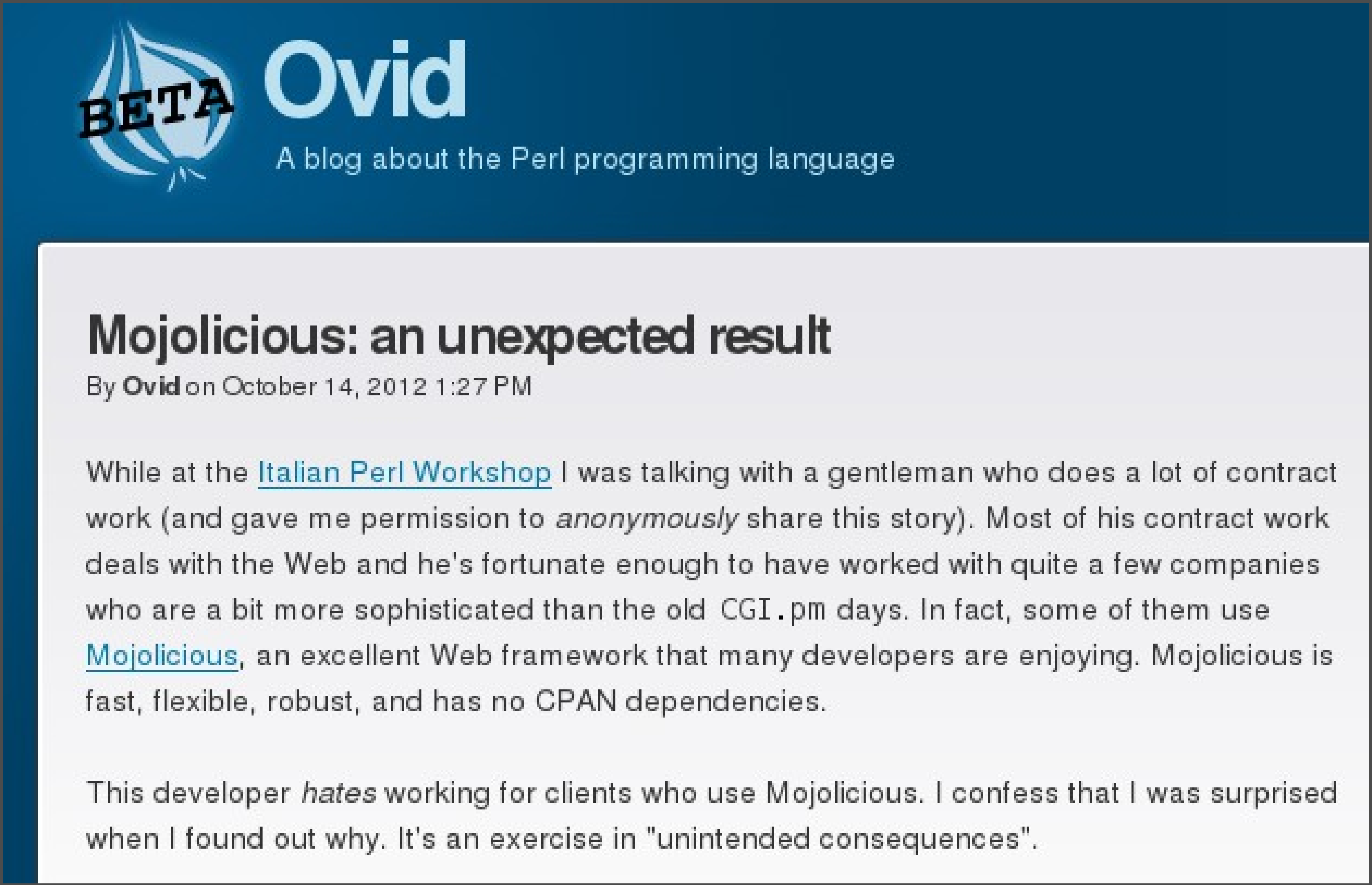
People still find Matt's code

People still “learn” “Perl” from Matt's code

Some people are directed to nms project

Not best practice

Mojolicious blog posts

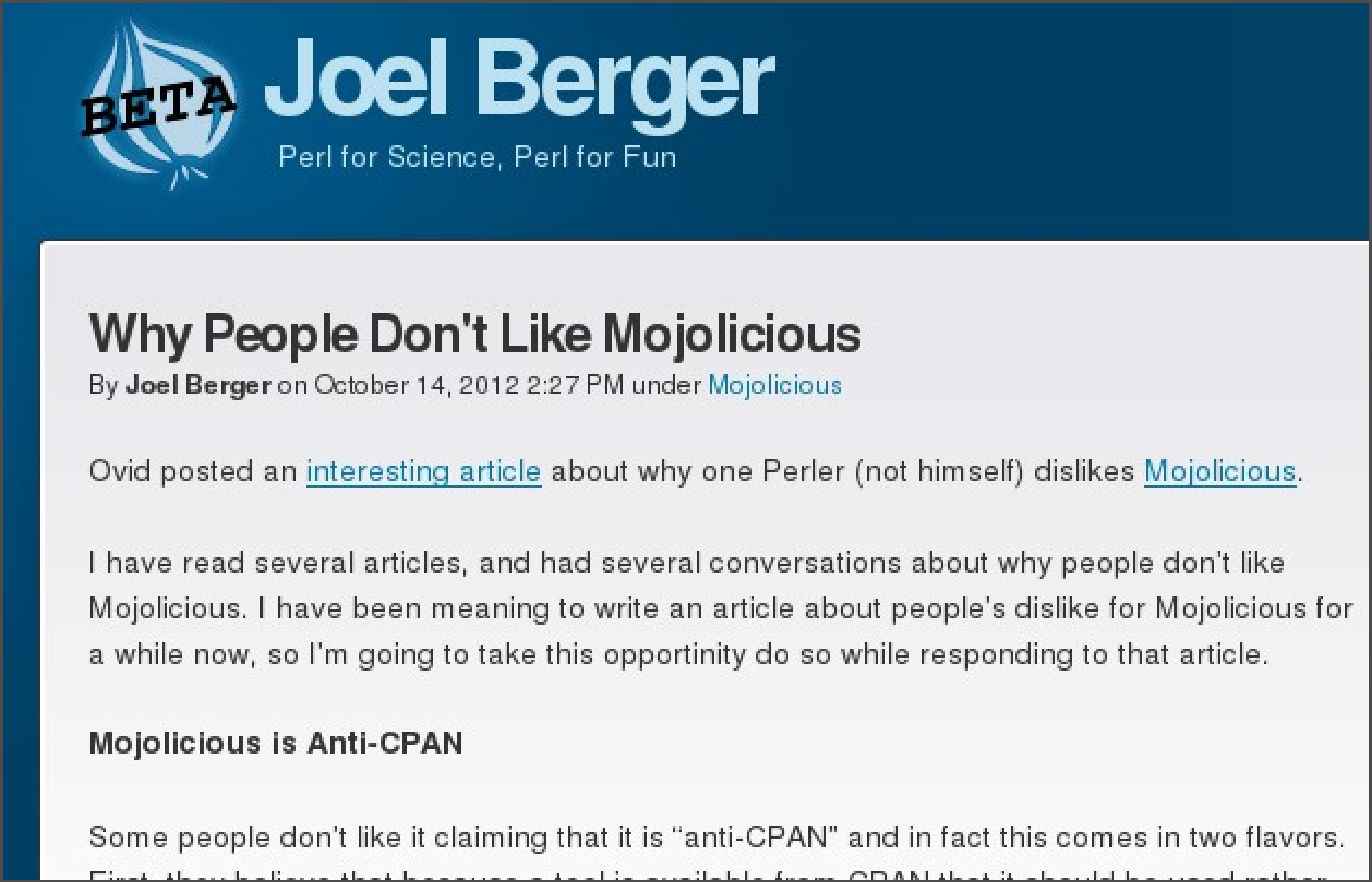


Mojolicious: an unexpected result

By **Ovid** on October 14, 2012 1:27 PM

While at the Italian Perl Workshop I was talking with a gentleman who does a lot of contract work (and gave me permission to *anonymously* share this story). Most of his contract work deals with the Web and he's fortunate enough to have worked with quite a few companies who are a bit more sophisticated than the old `CGI.pm` days. In fact, some of them use Mojolicious, an excellent Web framework that many developers are enjoying. Mojolicious is fast, flexible, robust, and has no CPAN dependencies.

This developer *hates* working for clients who use Mojolicious. I confess that I was surprised when I found out why. It's an exercise in "unintended consequences".



Joel Berger

Perl for Science, Perl for Fun

Why People Don't Like Mojolicious

By **Joel Berger** on October 14, 2012 2:27 PM under Mojolicious

Ovid posted an interesting article about why one Perler (not himself) dislikes Mojolicious.

I have read several articles, and had several conversations about why people don't like Mojolicious. I have been meaning to write an article about people's dislike for Mojolicious for a while now, so I'm going to take this opportinity do so while responding to that article.

Mojolicious is Anti-CPAN

Some people don't like it claiming that it is "anti-CPAN" and in fact this comes in two flavors.

Matt targeted cheap hosting plans

nms targeted cheap hosting plans

Cheap hosting plans are not CPAN friendly

Unintended consequences

nms
discourages
CPAN use

Dilemma

Best Practice
vs
Easy to install

Cheap hosting plans still exist

But do their users still use Perl/CGI?

PHP

NMS still exists

So I started thinking…

Why not...

...rewrite Matt's scripts again?

Using Modern Perl Best Practices

CPAN

PSGI

Dancer
Catalyst
Mojolicious
Web::Simple

Template
Email::*
DBIx::Class

Don't expect many users

Simple examples

Solutions to common problems

Entry-level web programming in Perl

Some of this stuff is ridiculously easy

text_clock

rand_text

About five lines of code

Others were overcomplicated by Matt's implementation

guestbook
wwwboard

Both far easier if you use a database

Progress report

Github

github.com/davorg/matts-psgi-archive

Four (simple) programs written

countdown
rand_image
rand_text
text_clock

Others to follow soon

Hopefully by YAPC::Europe

Conference Driven Development

Show us some code

Remember I said it was really easy

rand_text

```
my $random_file = 'random.txt';
my $delimiter = "%%\n";

get '/' => sub {
    open my $file, '<', get_file($random_file)
      or error $!;
    my @phrases;
    {
        local $/ = $delimiter;
        chomp(@phrases = <$file>);
    }
    my $phrase = @phrases[rand @phrases];

    return $phrase;
};

dance;
```

rand_image

```
my $img_dir = 'public/img';

get '/' => sub {
    opendir my $dir, $img_dir or die $!;
    my @imgs = grep { -f "$img_dir/$_" } readdir $dir;
    my $img = @imgs[rand @imgs];

    return redirect "/img/$img";
};

get '/img/:img' => sub {
    return send_file 'img/' . params->{img};
};

dance;
```

text_clock

```
use Time::Piece;

get '/' => sub {
    return date();
};


sub date {
    if (! $Display_Format) {
        $Display_Format = build_format();
    }

    return localtime->strftime($Display_Format);
}
```

```perl
sub build_format {
    my @date_fmt;

    push @date_fmt, '%A'        if $Display_Week_Day;
    push @date_fmt, '%B'        if $Display_Month;
    push @date_fmt, '%d'        if $Display_Month_Day;
    push @date_fmt, '%Y'        if $Display_Year;
    push @date_fmt, '%H:%M:%S' if $Display_Time;
    push @date_fmt, '%Z'        if $Display_Time_Zone;

    return join ' ', @date_fmt;
}
```

github.com/davorg/matts-psgi-archive

Feel free to submit code

Full replacements are good

Patches to existing programs are good

Documentation is good

Any help
is good

github.com/davorg/matts-psgi-archive

Dave Cross
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