

Howdy!

Writing quality PHP code with Laravel

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My Journey

AUTOMATIC

 WordPress.com

 **COMMERCE**

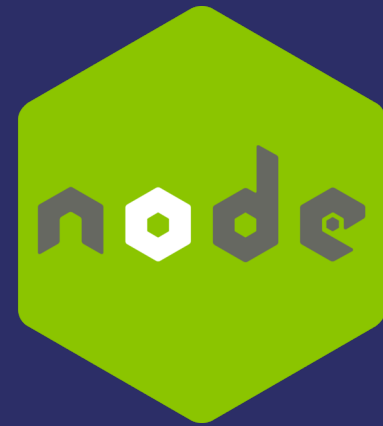


<https://sparkdev.io>

THE IMAGE SALON



<https://theimagesalon.com>



+



RethinkDB

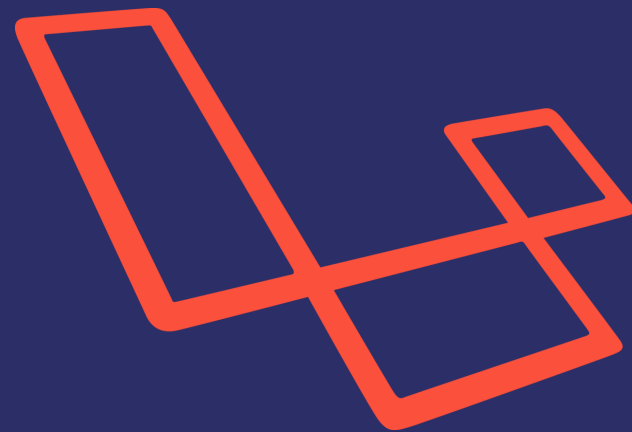
(+ React)

(+ Experimentation with Go and others)

Full circle back



+



So what is Laravel?

MVC Framework written in PHP - MIT License

Started in 2011 by Taylor Otwell

Now: Version 5.5 (uses PHP 7 features and requires it)

Uses some *Symfony* components under the hood when it makes sense to

At its core it's a fairly simple and magical
Dependency Injection/Service container with even
more magic sprinkled on top of it.

Laravel's biggest focus is on the developer experience.

```
$ composer global require "laravel/installer"  
$ laravel new confoo-demo
```


Laravel is optimized for being run according to its conventions. Avoid doing things differently unless you have a good reason to.

```
<?php
```

```
namespace TIS;
```

```
use Illuminate\Database\Eloquent\Model;
```

```
use Illuminate\Database\Eloquent\SoftDeletes;
```

```
class Gallery extends Model
```

```
{
```

```
    use SoftDeletes;
```

Almost everything is configurable or overwrite-able if
need be though!

▼ config

▼ xero

- config.php
- app.php
- auth.php
- blade-inline-svg.php
- blade-javascript.php
- broadcasting.php
- bugsnag.php
- cache.php
- compile.php
- database.php
- eyewitness.php
- failed-job-monitor.php
- filesystems.php
- horizon.php
- invoices.php
- jwt.php
- mail.php
- newsletter.php
- queue.php
- scout.php
- services.php
- session.php
- tis.php
- verifi.php
- view.php


```
config( 'name' );
```

```
$ php artisan make:model Presentation -m -c -f -r
```

```
app/Presentation.php  
app/Http/Controllers/PresentationController.php  
database/migrations/2017_12_03_002326_create_presentations_table.php  
database/factories/PresentationFactory.php
```



```
<?php
```

```
use Faker\Generator as Faker;
```

```
$factory->define(TIS\Presentation::class, function (Faker $faker) {  
    return [  
        //  
    ];  
});
```


Request Cycle

`public/index.php` -> `autoload.php` + service container + http kernel -> service providers -> routes -> controller -> whatever

Service Providers

- ▼ Providers
 - Ⓞ AppServiceProvider.php
 - Ⓞ AuthServiceProvider.php
 - Ⓞ BroadcastServiceProvider.php
 - Ⓞ BusinessHoursServiceProvider.php
 - Ⓞ DuskServiceProvider.php
 - Ⓞ EventServiceProvider.php
 - Ⓞ RouteServiceProvider.php
 - Ⓞ SlackServiceProvider.php
 - Ⓞ TISVerifiServiceProvider.php

Kernels

Middleware

Controllers

```
<?php

namespace TIS\Http\Controllers\ClientDashboard;

use ConsoleTVs\Invoices\Classes\Invoice;
use Illuminate\Support\Facades\Auth;
use TIS\Http\Controllers\Controller;
use Facades\TIS\Services\PDFInvoice;
use TIS\Worksheet;

class InvoiceController extends Controller
{
    public function downloadInvoice($id)
    {
        $user = Auth::user();
        $worksheet = $user->isManager() ? Worksheet::findOrFail($id) : $user->worksheets()->findOrFail($id);
        $invoice = PDFInvoice::generateForWorksheet($worksheet);
        abort_unless($invoice instanceof Invoice, 404);
        return $invoice->show();
    }
}
```

Auth & Security

CSRF

Protection

Auth & Guarding

```
php artisan make:auth
```

```
<?php
```

```
Auth::check();
```

```
Auth::user();
```

```
Auth::id();
```

```
Auth::guest();
```

```
Auth::login($user);
```


Encryption

```
<?php

use Illuminate\Contracts\Encryption\DecryptException;

// encrypt
encrypt(request('something-secret'));

// decrypt

try {
    $decrypted = decrypt($encryptedValue);
} catch (DecryptException $e) {
    //
}
}
```


Hashing

```
<?php  
  
$request->user()->fill([  
    'password' => Hash::make($request->newPassword)  
])->save();
```

Caching

```
<?php  
  
Cache::put('key', 'value', $minutes);  
Cache::add('key', 'value', $minutes);  
Cache::forever('key', 'value');  
Cache::forget('key');  
Cache::flush();  
$value = Cache::get('key', 'default');
```

Events

```
<?php

// in your application logic
event(Confoo2017::class);

// in your EventServiceProvider

Confoo2017::class => [
    VancouverAudience::class,
],
```

File Storage

```
<?php

Storage::put('avatars/1', $fileContents);

$url = Storage::url('file1.jpg');

$url = Storage::temporaryUrl(
    'file1.jpg', Carbon::now()->addMinutes(5)
);
```

Notifications

```
$ php artisan make:notification SayHelloVancouver
```



```
<?php
```

```
// User has Notifiable trait
```

```
$user->notify(new SayHelloVancouver());
```

Laravel

Hello!

One of your invoices has been paid!

[View Invoice](#)

Thank you for using our application!

Regards,
Laravel

If you're having trouble clicking the "View Invoice" button, copy and paste the URL below into your web browser:

<https://example.com/invoice/1>

Mail

```
$ php artisan make:mail EmailChanged
```

Jobs


```
<?php
```

```
protected function schedule(Schedule $schedule)
{
    $schedule->command('horizon:snapshot')->everyFiveMinutes();
    $schedule->job(DailyReport::class)->dailyAt('00:30')->timezone(config('app.timezone'));
}
```

Queues

- Dashboard
- Monitoring
- Metrics
- Recent Jobs
- Failed

Overview

JOBS PER MINUTE	JOBS PAST HOUR	FAILED JOBS PAST HOUR	STATUS
0	4	0	Active
TOTAL PROCESSES	MAX WAIT TIME	MAX RUNTIME	MAX THROUGHPUT
40	-	client-emails	client-emails


Current Workload

Queue	Processes	Jobs	Wait
client-emails	10	0	A Few Seconds
default	10	0	A Few Seconds
employee-emails	10	0	A Few Seconds
searchable	10	0	A Few Seconds

tis-worker01-OwoD

Supervisor	Processes	Queues	Balancing
supervisor-1	40	default,client-emails,employee-emails,searchable	(Auto)

At the end of the day, it's all just PHP, so you can still deviate when it makes sense to, and create your own architecture

▼  Services

- Ⓢ AccountBalance.php
- Ⓢ AuthorizePaypalForClient.php
- Ⓢ AuthorizeStripeForClient.php
- Ⓢ Cart.php
- Ⓢ CreateActivityNote.php
- Ⓢ CreateCartItem.php
- Ⓢ CreateClient.php
- Ⓢ CreateWorksheet.php
- Ⓢ CreateWorksheetTally.php
- Ⓢ Culler.php
- Ⓢ DailyReportGenerator.php
- Ⓢ DetermineDiscount.php
- Ⓢ DeterminesTallyAttributesInterface.php
- Ⓢ DetermineWorksheetTallies.php
- Ⓢ EditorPay.php
- Ⓢ PDFInvoice.php
- Ⓢ Pricing.php
- Ⓢ WorksheetPayment.php

Collections

```
<?php  
  
$cookie = collect($registrationPage->headers->getCookies())->first(function ($cookie) {  
    return $cookie->getName() === 'tis_referral_code';  
});
```



<https://adamwathan.me/refactoring-to-collections/>

String and Array Helpers

```
<?php
```

```
$is_inc = ends_with(data_get($user, 'company', 'No Company Assigned'), ['Inc', 'inc']);
```

Testing

```
<?php
```

```
/** @test */
```

```
public function should_format_turnaround()
```

```
{
```

```
    $this->assertEquals('STANDARD', formatTurnaround('standard'));
```

```
    $this->assertEquals('RUSH', formatTurnaround('rush'));
```

```
    $this->assertEquals('RUSH+', formatTurnaround('rushplus'));
```

```
}
```



```
<?php

class InternalSPATest extends TestCase
{
    use RefreshDatabase, AuthenticatesAsEmployee, UsesDashboardUrls;

    /** @test */
    function loads_spa_page_with_expected_data()
    {
        $resp = $this->loginAsEmployee()->get($this->internalDashboardUrl());

        $resp
            ->assertStatus(200)
            ->assertViewHas('title', 'TIS Internal Dashboard')
            ->assertViewHas('jwt');
        // ...
    }
}
```



```
<?php
```

```
public function loginAsEmployee()
```

```
{
```

```
    $employedEmployee = factory(Employee::class)->states('employed')->create();
```

```
    return $this->actingAs($employedEmployee, 'employee');
```

```
}
```


Front-end

Blade (templating)

Laravel Mix (webpack wrapper)

Presets (for js frameworks)

Ecosystem

Packages



Laravel Valet



Laravel Homestead



Laravel Horizon



Laravel Cashier



Laravel Socialite



Lumen



Spark



Laravel Scout



Laravel Passport



Laravel Mix

The screenshot shows the GitHub search results for the topic 'laravel-package'. The interface includes a dark header with navigation links like 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below the header, there are filters for 'Language: All' and 'Sort: Best match'. The search results list four repositories:

- Maatwebsite / Laravel-Excel** (★ 4.2k): An eloquent way of importing and exporting Excel and CSV files for Laravel with the power of PHPEXcel. Tags: laravel, phpxcel, php, phpoffice, csv, laravel-5-package, laravel-package. Updated 3 days ago.
- gitscrum-community-edition / laravel-gitscrum** (★ 2k): GitScrum is powerful Virtual Assistant that lets you control your issues, user stories and sprints - Free, open, simple. Tags: laravel, laravel-application, scrum, kanban, php, laravel-5-package, laravel-package. Updated 16 days ago.
- mcamara / laravel-localization** (★ 1.5k): Easy localization for Laravel. Tags: laravel-localization, laravel, laravel-package, php, language-selector. Updated 22 days ago.
- renatomarinho / laravel-page-speed** (★ 940): Package to optimize your site automatically which results in a 35%+ optimization. Tags: laravel, laravel-5-package, laravel-package, blade-template, minify-html. Updated a day ago.


On the right side of the search results, there is a box titled 'laravel-package' with a 'See more topics' link.

<https://github.com/topics/laravel> and
<https://github.com/topics/laravel-package>

SPATIE

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OUR LARAVEL PACKAGES




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[Full documentation](#)




LARAVEL-FRACTAL

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A Fractal service provider for Laravel 5 and Lumen.

[Introductory blogpost](#)

[Source code on GitHub](#)



LARAVEL-PERMISSION

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[Introductory blogpost](#)

[Source code on GitHub](#)

<https://spatie.be/en/opensource/laravel>

Third Party Services

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DigitalOcean (2.0)



Linode



Amazon



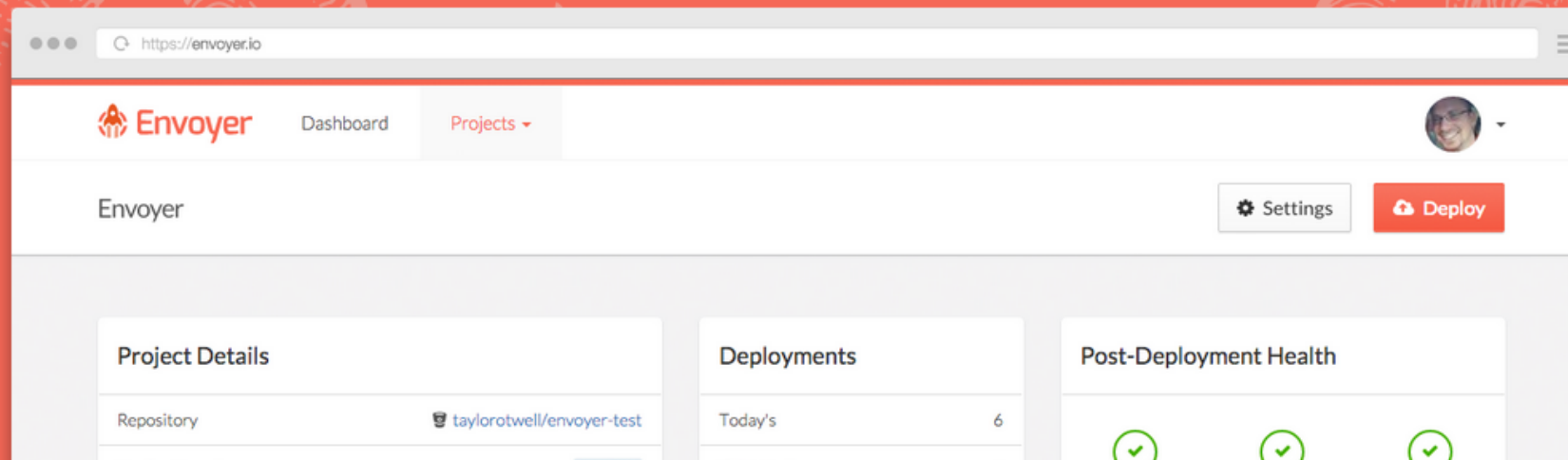
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Bug Tracking and Monitoring



Community





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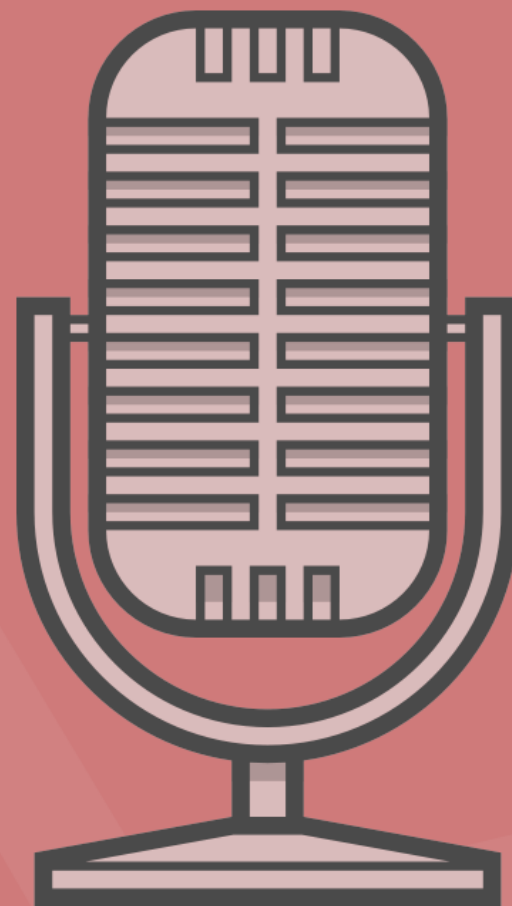
Early Bird Registration

Just \$12

Tickets go to \$25 on January 3rd, 2018



<https://larachat.co/>



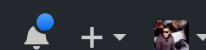
Laravel Podcast

Season Three



This organization Search

Pull requests Issues Marketplace Explore



The Laravel PHP Framework

<http://laravel.com>

Repositories 32

People 11

Pinned repositories

laravel

A PHP Framework For Web Artisans

PHP 36.6k 12.1k

framework

PHP 8.7k 4.9k

docs

1.1k 2.4k

Search repositories...

Type: All

Language: All

framework

php laravel framework

PHP 8,673 4,932 MIT Updated 4 hours ago



docs

1,117 2,425 MIT Updated 4 hours ago



laravel

A PHP Framework For Web Artisans

php laravel framework

PHP 36.591 12.066 Updated 10 hours ago



Top languages

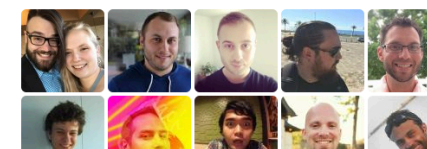
PHP Shell JavaScript TypeScript

Most used topics

framework laravel php

People

11 >





**PHP
VANCOUVER**

Thank You & Q&A

<https://slides.jkudish.com>