

BRISBANE LARAVEL | MICK DAVIES | @_MICKDAVIES

PHP DEVELOPMENT IN 2018



SPONSOR

JUST DIGITAL PEOPLE

The Legendary Josh Wulf™ - As Seen on the Internet®

Full-stack JavaScript developer with insane DevOps skills.

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Full working rights and residency in Australia. Currently in Brisbane. Not open to relocation.

- JavaScript – ES5, ES2015, TypeScript, Node.js
- React | Redux | GraphQL | Jest
- CSS | SASS | HTML5
- DevOps across all major cloud platforms
- CoderDojo Lead Mentor, Brisbane Square Library
- Node Girls Brisbane Mentor
- BrisReact Meetup organiser

Magikcraft.io

2016 - 2017

Lead JavaScript Developer

Architecting and implementing the world's #1 JavaScript in Minecraft platform. One of two developers working on it full-time. Responsible for DevOps.

Tech Stack:

- JavaScript (Nashorn ES5/TypeScript 2.5)
- React | Redux | GraphQL | Jest
- Electron
- Java 8
- Kotlin 1.5
- Go
- GitHub | Jenkins | Azure | AWS | Softlayer | Google Cloud Platform
- Serverless | AWS Lambda



WE ARE BACK

FINALLY.

OVERVIEW

WHAT NEW SKILLS DO I NEED IN 2018?

WHAT'S NEW IN 5.5



L5.5 (LTS)

BUG FIXES FOR 2 YEARS



AUTO PACKAGE DISCOVERY

**NO NEED TO UPDATE
APP.PHP FILE**



API RESOURCES

SAYONARA FRACTCAL

** Transform the resource into an array.*

```
*  
* @param \Illuminate\Http\Request  
* @return array  
*/
```

```
public function toArray($request)  
{  
    return [  
        'id' => $this->when(!empty($this->id), $this->id),  
        'reference' => $this->when(!empty($this->reference), $this->reference),  
        'created_at' => $this->when(!empty($this->created_at), (string) $this->created_at),  
        'due_at' => $this->when(!empty($this->due_at), (string) $this->due_at),  
        'completed_at' => $this->when(!empty($this->completed_at), (string) $this->completed_at),  
        'builder' => $this->when(!empty($this->builder), array_except(new BuilderResource($this->builder), ['account_number', 'email', 'phone', 'website', 'created_at', 'updated_at', 'deleted_at'])),  
        'completed' => array_except(new CompletedResource($this->completed), ['active', 'terms', 'role', 'phone', 'email', 'created_at']),  
        'location' => array_except(new LocationResource($this->location), ['latitude', 'longitude', 'block', 'section', 'postcode', 'country', 'description', 'locationable_id', 'locationable_type', 'created_at']),  
        'pivot' => $this->pivot,  
        'representative' => array_except(new RepresentativeResource($this->representative), ['company_id', 'active', 'terms', 'phone', 'role', 'email', 'created_at', 'updated_at', 'deleted_at']),  
    ];  
}
```



```
public function toArray($request)
{
    return [
        'id' => $this->id,
        'address_line' => $this->when(!empty($this->address_line), $this->address_line),
        'suburb' => $this->when(!empty($this->suburb), $this->suburb),
        'state' => $this->when(!empty($this->state), $this->state),
        'postcode' => $this->when(!empty($this->postcode), $this->postcode),
        'country' => $this->when(!empty($this->country), $this->country),
        'block' => $this->when(!empty($this->block), $this->block),
        'section' => $this->when(!empty($this->section), $this->section),
        'description' => $this->when(!empty($this->description), $this->description),
        'latitude' => $this->when(!empty($this->latitude), $this->latitude),
        'longitude' => $this->when(!empty($this->longitude), $this->longitude),
        'locationable_id' => $this->when(!empty($this->locationable_id), $this->locationable_id),
        'locationable_type' => $this->when(!empty($this->locationable_type), $this->locationable_type),
        'created_at' => $this->when(!empty($this->created_at), (string) $this->created_at),
    ];
}
```

**MONOLITH OR
MICROSERVICES?**



PROS & CONS

FAST PROTOTYPING

LOWER COMPLEXITY

SIMPLE DEPLOYMENTS

MINIMAL REFLECTION ON ORGANISATION

TECHNICAL OVERHEAD

NEW TECH STACK (HASHICORP / KUBERNETES / MESOS)

LUMEN (MISSING MANY USEFUL ARTISAN COMMANDS)

LOGGING & MONITORING

REFLECTS ORGANISATION STRUCTURE (CONWAY'S LAW)

KUBERNETES



ORCHESTRATION | DEPLOYMENT

**RESOURCE ALLOCATION
REPLICATION FALLBACK
COMPANIES CAN BENEFIT IMMENSELY
DEVELOPER-DEVOPS (ALL IN ONE)**

PHP 7.X



UPGRADE

**7.1 STABLE IN PRODUCTION
BENCHMARKS**

Parameters	Laravel 5.4 + PHP 5.6	Laravel 5.4 + PHP 7.0
Region	Ireland	Ireland
Fastest Response Time	268 ms	257 ms
Slowest Response Time	1,631 ms	386 ms
Average Response Time	553 ms	274 ms
Duration	300 seconds	300 seconds
Load	1-250 Users	1-250 Users
Total Hits	22,375	29,214
Average Hits	75/second	97/second
Transferred	3.65 MB	4.69 MB
Received	424.34 MB	420.31 MB

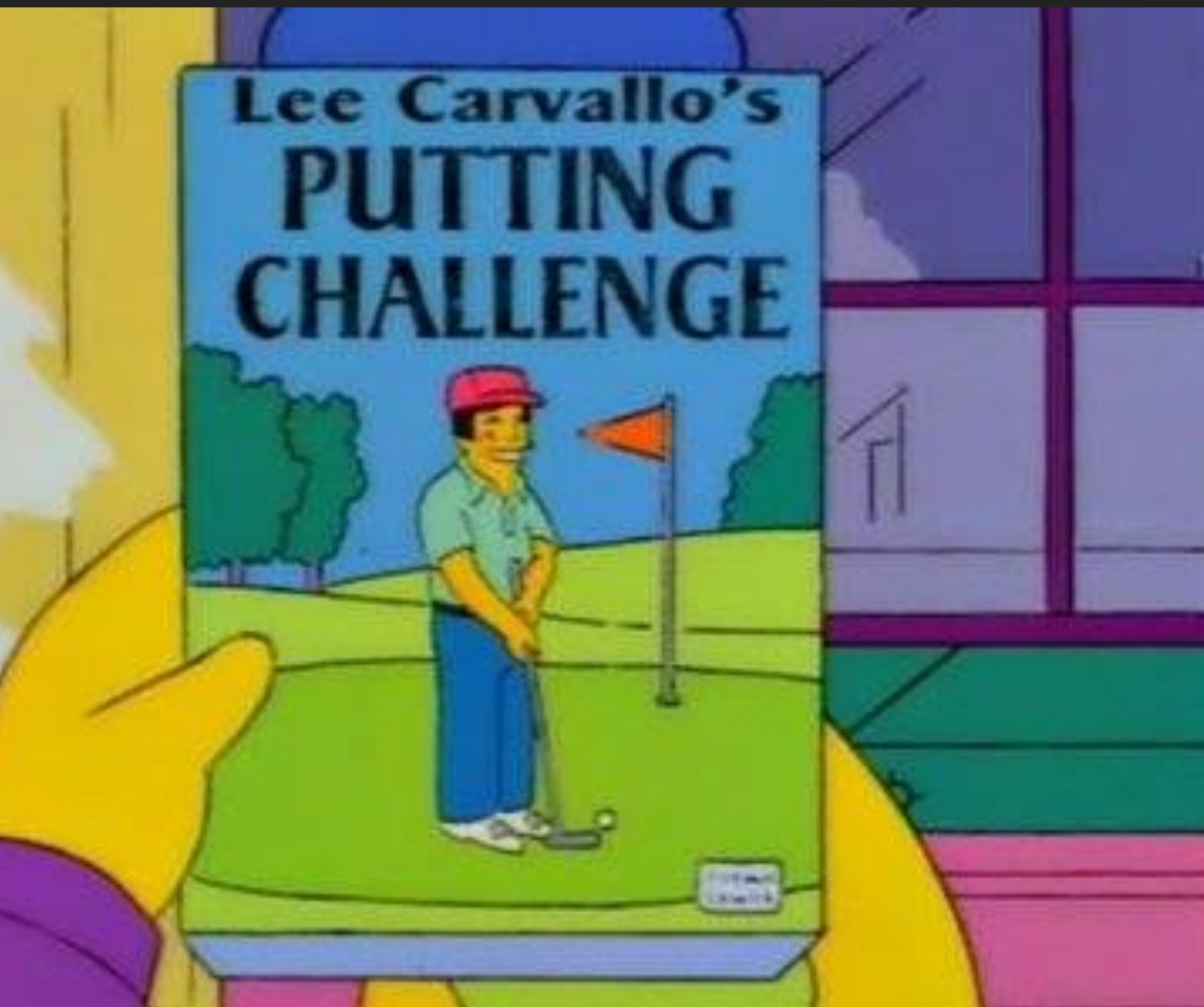
<https://www.cloudways.com/blog/laravel-5-benchmarks-php-5-6-and-7/>

VUE / REACT



BEAUTIFUL INTEGRATION

**L5.5 SUPPORTS BOTH VUE.JS &
REACT OUT OF THE BOX**



BEGINNER TO ADVANCED

**VUE.JS EXCEPTIONALLY EASY TO START
RELATIVELY LOW LEARNING CURVE
PROMOTES BEST PRACTICES IN JS
MANY PACKAGES AVAILABLE ON NPM**

**BOOTSTRAP / FOUNDATION
/ COMPONENT STYLES**



DO WE NEED A CSS
FRAMEWORK ANYMORE?

**COMPONENT BASED CSS STYLES
DON'T GET CAUGHT UP
BOOTSTRAP 4 NEWLY RELEASED**

CODE EDITORS

Simply Put, Don't Waste Time!



BE FAST, STAY FAST

ATOM (SLOW, WHAT HAPPENED?)
PHP STORM (SLOW, BUT GOOD INTELLISENSE)
VS CODE (SUPER POPULAR, VERY MODULAR)
SUBLIME TEXT (OLD FAITHFUL)



TOOLS | FRAMEWORKS

LANGUAGES



MENTAL INVESTMENT

GOLANG (EFFICIENT, CLEAN, BLAZING FAST)

NODE.JS (PLENTY OF RESOURCES)

PYTHON (SCALES WELL, GOOD FOR ML)

MACHINE LEARNING LIBRARIES (TENSOR FLOW, R, SCIKIT)

Meetup Group

ROADMAP



QUESTIONS | DISCUSSION



QUESTIONS FOR YOU

**WHAT DO YOU WANT
TO COVER?**