

AUTOMATE YOUR CODE QUALITY

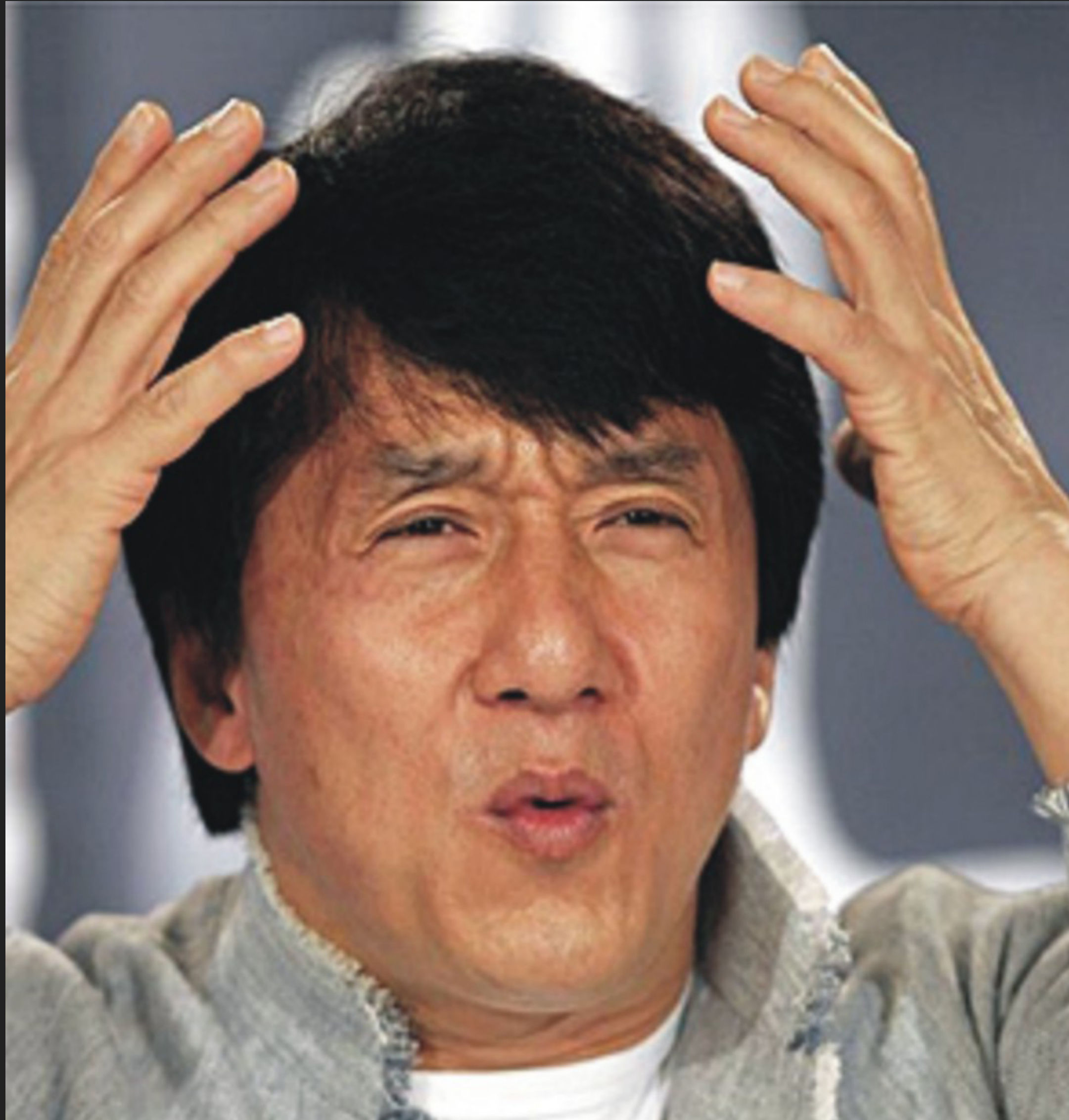
MAINTAINING THE CHAOS

WHO AM I?

I'm Steve McDougall

- ▶ PHP User Group Organiser
- ▶ Conference Organiser
- ▶ Experienced Developer
- ▶ PHP Advocate





**MANAGING CODE QUALITY
CAN GET CONFUSING
PRETTY QUICKLY**

**AN EVOLVING SYSTEM INCREASES ITS
COMPLEXITY UNLESS WORK IS DONE TO
REDUCE IT**

Prof. Meir Lehman, Middlesex University

THE FIGHT AGAINST CHAOS

ENTER GRUMPHP



```
composer require --dev phpro/grumphp
```



YAML GOODNESS

```
● ● ● grumphp.yml

parameters:
  git_dir: .
  bin_dir: vendor/bin
  tasks: { }
```

Simple to use YAML configuration files

WHAT DOES IT DO

With GrumPHP you set certain tasks to run on git pre-commit hooks. These can be configured per task.

```
GrumPHP detected a pre-commit command.  
GrumPHP is sniffing your code!  
Running task 1/4: Blacklist... ✓  
Running task 2/4: PhpCsFixer... ✓  
Running task 3/4: PhpLint... ✓  
Running task 4/4: SecurityChecker... ✓  
GrumPHP detected a commit-msg command.  
GrumPHP is sniffing your code!
```



```
All good!
```

```
[master d3158d6] Route comment  
1 file changed, 3 insertions(+)
```

```
~/dev/sotic-velo □ □ master ● □ □
```


**LETS BREAK DOWN A
FEW TASKS**

FILE SIZE CHECKER

max_size:

The target value may use magnitudes of kilobytes (k, ki), megabytes (m, mi), or gigabytes (g, gi)

ignore_patterns:

This is a list of patterns that will be ignored. With this option you can skip files.



```
file_size:  
  max_size: 10M  
  ignore_patterns: []
```

GIT BLACKLIST

keywords:

Use this parameter to specify your blacklisted keywords list.

triggered_by:

This option will specify which file extensions will trigger the git blacklist task.

regex_type

This option allows you to choose the type of regex you want to use for patterns (can be G for POSIX basic, E for POSIX extended or P for Perl Compatible).



```
git_blacklist:  
  keywords:  
    - "die( "  
    - "dump( "  
    - "dd( "  
    - "var_dump( "  
    - "exit;"  
    - "print_r( "  
  whitelist_patterns: []  
  triggered_by: ['php']  
  regex_type: G
```

PHP LINT

exclude:

Any directories to be excluded from linting.

short_open_tag:

This option can allow PHP short open tags.

triggered_by:

Any file extensions that you wish to be passed to the linter.

```
phplint:
  exclude: []
  jobs: ~
  short_open_tag: false
  ignore_patterns: []
  triggered_by: ['php', 'phtml', 'php3', 'php4', 'php5']
```


THERE ARE MANY OTHER TASKS ALREADY AVAILABLE

From Doctrine ORM to NPM Scripts and Phan there are many pre-built tasks you can configure to run.

Alongside these custom tasks can be built as required.

**MAINTAINING CODE QUALITY AMIDST
THE CHAOS IS EASIER WITH TOOLS,
STOP STRUGGLING.**

Steve McDougall

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**THANK YOU FOR
LISTENING**