Package Everything

The benefits of using packages to build your applications

About me...

What is a package?

Why Packages?

Modular & Maintainable Code

Group several pieces into one logical module

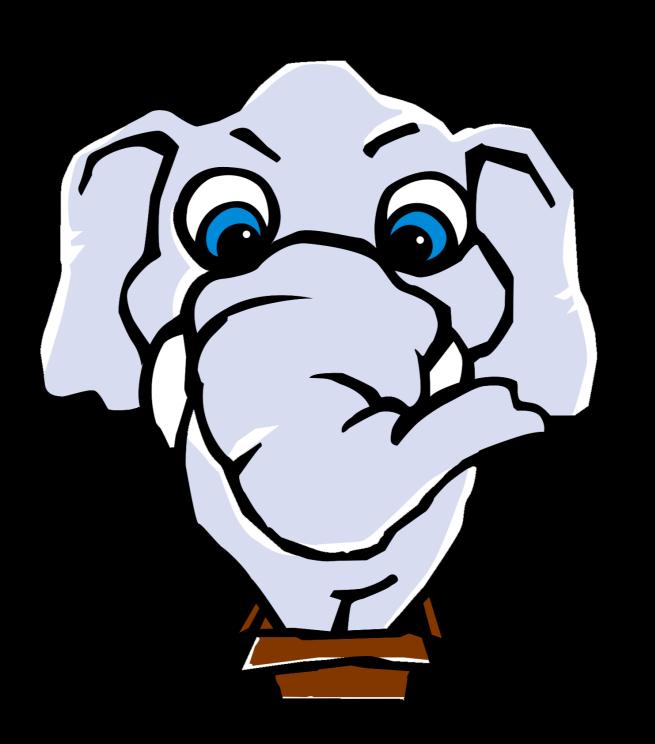
Reusable code

Domain



Developers V Open Source





How to build a package?

composer.json

```
"name": "my-vendor/my-package",
 "type": "library",
 "license": "MIT",
 "require": {
     "php": ">=7.2",
     "symfony/console": "^4.2"
 },
 "require-dev": {
     "phpunit/phpunit": "^8.1"
 },
 "autoload": {
     "psr-4": {
         "MyVendor\\MyPackage\\": "src"
```

Naming

psr/log symfony/console spatie/laravel-permission

guzzlehttp/guzzle filp/whoops

Documentation

Licence

Keep a changelog

keepachangelog.com





Versioning

semver.org

Backwards Compatibility

composer.lock





From nothing to all...

- CodeBase
- CRM
- Modules
- Country

- CodeBase
- CRM
- Modules
 - Stock
 - Clients
 - Messages
 - Admin
- Country
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Big Teams vs Big Monolith

- Client Team
- Moderation Team
- SEO Team
- Professional Tools Team
- Monetisation Team

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Worst than merge conflicts is merge conflicts on Monday morning

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- Monetisation Team
 - Invoicing Package
 - Payments Package
 - "Extra Services" Package
 - 1 Microservice
 - 5 Lambda Functions
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Open Source

Tips

Using Local Packages

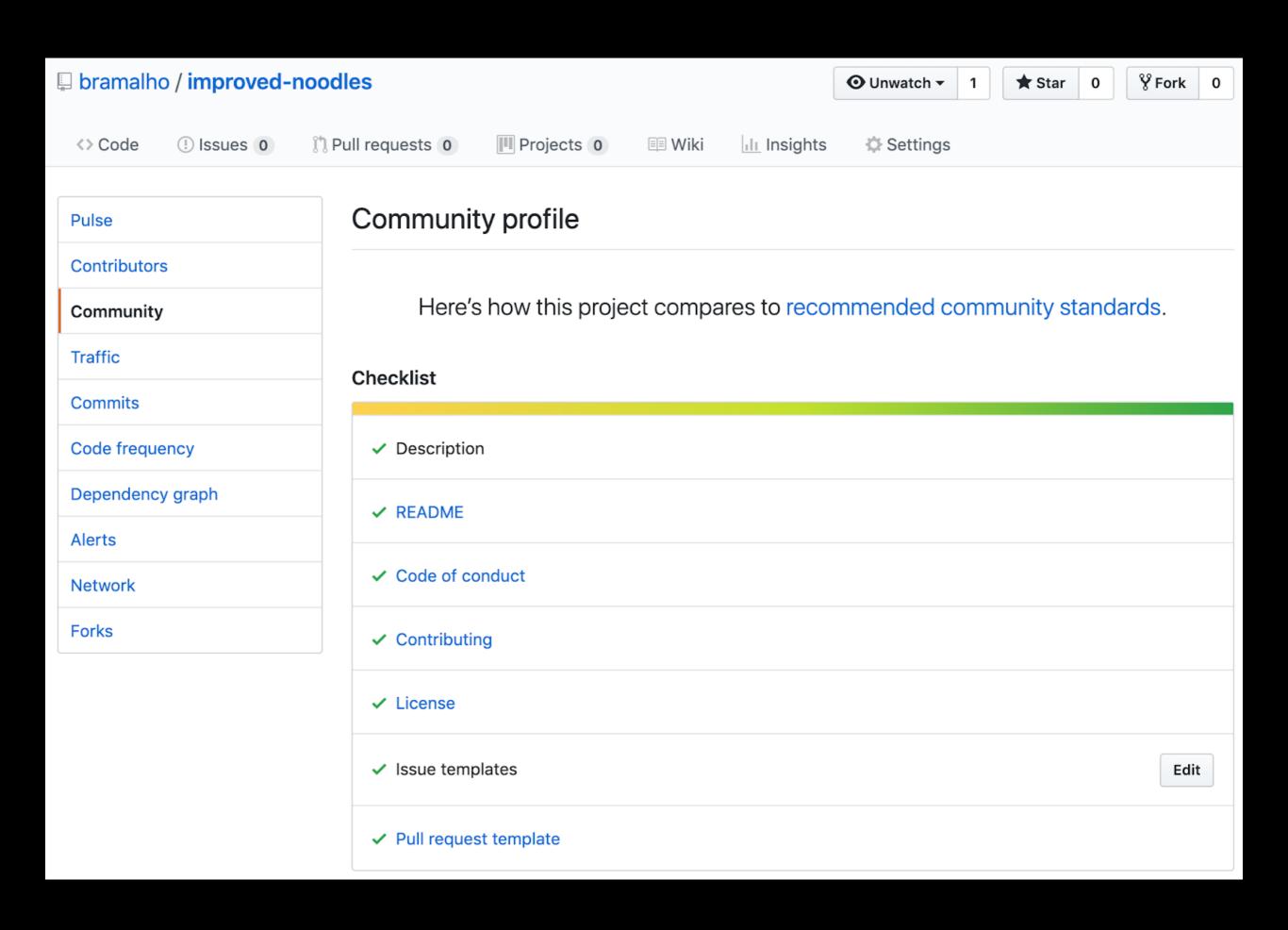
```
"type": "project",
 "license": "proprietary",
 "require": {
     "php": "^7.2",
     "my-vendor/my-package": "*"
 },
 "repositories": [
         "type": "path",
         "url": "../packages/my-vendor/my-package"
 "autoload": {
     "psr-4": {
         "App\\": "src/"
```

Using Private Repositories

```
"type": "project",
 "license": "proprietary",
 "require": {
     "php": "^7.2",
     "my-vendor/my-package": "^1.0"
 },
 "repositories": [
         "type": "vcs",
         "url": "git@github.com:my-vendor/my-package.git"
 "autoload": {
     "psr-4": {
         "App\\": "src/"
```

Templating

```
• • •
                           Project Init
                  Let's create great projects...
Select the project template:
  1 - Laravel
  2 - Laravel Package
  3 - PHP
  4 - Pimcore 5
  5 - Pimcore 5 Bundle
  6 - Symfony
  7 - Symfony API
  8 - Symfony Bundle
  9 - Symfony Console
 10 - Symfony Web
 11 - Reinstall all templates
 12 - Exit
```





\$ composer global require hirak/prestissimo

Be kind with the community

Thank you!