

Introduction

The Architectural Spine for PHP Libraries

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Derafu Backbone is a lightweight architectural framework that provides a consistent structure for building modular, maintainable PHP libraries.

Features

- **Hierarchical Organization:** Clear structure with Packages, Components, and Workers.
- **Separation of Concerns:** Jobs for atomic operations, Handlers for orchestration, Strategies for implementation variants.
- **Attribute-Based Discovery:** Use PHP 8 attributes instead of rigid namespace conventions.
- **Extensible Architecture:** Designed to grow with your application.

Key Benefits

- **Consistent Structure:** Standardized approach to organizing domain logic.
- **Reduced Complexity:** Clear responsibilities for each architectural element.
- **Improved Testability:** Isolated components are easier to test.
- **Enhanced Collaboration:** Common vocabulary and patterns for development teams.
- **Flexible Implementation:** Adapt to different domains without changing the core architecture.

Installation

```
composer require derafu/backbone
```

Quick Example

```
#[Package(name: 'billing')]  
class BillingPackage extends AbstractPackage implements PackageInterface  
{
```

```
// Package implementation.
}

#[Component(name: 'document', package: 'billing')]
class DocumentComponent extends AbstractComponent implements ComponentInterface
{
    // Component implementation.
}

#[Worker(name: 'renderer', component: 'document', package: 'billing')]
class RendererWorker extends AbstractWorker implements WorkerInterface
{
    // Worker implementation.
}
```

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