

1. Intro 🙌

Hi, I'm Dishant Pal, a full-stack developer at Enacton Technologies. We specialize in developing tools and services for the affiliate industry and enterprise businesses.

- ◆ **Company:** Enacton Technologies
- ◆ **Role:** Full-Stack Developer Team Lead
- ◆ **Expertise:** PHP, Laravel, Node.js, React, Devops and more

2. Agenda

1. Introduction
2. Package 1: Laravel Migrations Generator
3. Package 2: iSeed
4. Package 3: Page Cache
5. Package 4: Totem
6. Live Demo
7. Q&A
8. Thank You

3. Package 1: Laravel Migrations Generator

3.1 Description and Why

- **Description:** Generates migration files from existing database tables.
- **Why:** Facilitates database management and version control without manually writing migrations.

Features:

- Auto-generates migrations
- Supports existing databases

3.2 Installation

```
composer require --dev "kitloong/laravel-migrations-generator"
```

3.3 How to Use

- Generate migrations for the entire database:

```
php artisan migrate:generate
```

- Generate migrations for specific tables:

```
php artisan migrate:generate tables="table1,table2,..."
```

3.4 Additional Notes

- Customize output using `--path` option.
- Ensure database credentials are configured.

4. Package 2: iSeed

4.1 Description and Why

- **Description:** Creates seed files from existing data in the database.
- **Why:** Allows quick seeding of database with existing data, useful for development and testing.

Features:

- Auto-generates seed data
- Supports multiple tables

4.2 Installation

```
composer require --dev "kitloong/laravel-seeder"
```

4.3 How to Use

- Generate seed files:

```
php artisan iseed tablename
```

4.4 Additional Notes

```
C:\Users\dspal\Herd\coffee-shop>php artisan iseed --help
```

Description:

Generate seed file from table

Usage:

```
iseed [options] [--] <tables>
```

Arguments:

`tables` comma separated string of table names

Options:

<code>--clean</code>	clean iseed section
<code>--force</code>	force overwrite of all existing seed classes
<code>--database[=DATABASE]</code>	database connection [default: "mysql"]
<code>--max[=MAX]</code>	max number of rows
<code>--chunksize[=CHUNKSIZE]</code>	size of data chunks for each insert query
<code>--exclude[=EXCLUDE]</code>	exclude columns
<code>--prerun[=PRERUN]</code>	prerun event name
<code>--postrun[=POSTRUN]</code>	postrun event name
<code>--dumpauto[=DUMPAUTO]</code>	run composer dump-autoload [default: true]
<code>--noindex</code>	no indexing in the seed
<code>--orderby[=ORDERBY]</code>	orderby desc by column
<code>--direction[=DIRECTION]</code>	orderby direction
<code>--classnameprefix[=CLASSNAMEPREFIX]</code>	prefix for class and file name
<code>--classnamesuffix[=CLASSNAMESUFFIX]</code>	suffix for class and file name
<code>-h, --help</code>	Display help for the given command. When no command is given display help for the <code>list</code> command
<code>-q, --quiet</code>	Do not output any message
<code>-V, --version</code>	Display this application version
<code>--ansi --no-ansi</code>	Force (or disable --no-ansi) ANSI output
<code>-n, --no-interaction</code>	Do not ask any interactive question
<code>--env[=ENV]</code>	The environment the command should run under
<code>-v vv vvv, --verbose</code>	Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug

```
C:\Users\dspal\Herd\coffee-shop>
```


5. Package 3: Page Cache ✈️

5.1 Description and Why

- **Description:** Caches entire page responses as static files for faster loading.
- **Why:** Reduces server load and speeds up page delivery by serving static files.

Features:

- Caches full pages
- Ability to clear all cache or specific page or based on tag
- Provides middleware to cache specific page
- Configurable caching behavior

5.2 Installation

```
composer require Silber/page-cache
```

5.3 How to Use

- Add middleware to `Kernel.php`:

```
protected $middlewareGroups = [  
    'web' => [  
        \Silber\PageCache\Middleware\CacheResponse::class,  
        /* ... keep existing middleware */  
    ],  
];
```

- Use middleware on routes:

```
Route::middleware('page-cache')->get('posts/{slug}', 'PostController@show');
```

5.4 Additional Notes

- Configure web server to serve cached files:
 - **nginx:**

```
location = / {  
    try_files /page-cache/pc__index__pc.html /index.php?$query_string;  
}  
  
location / {  
    try_files $uri $uri/ /page-cache/$uri.html /page-cache/$uri.json /page-cache/$uri.xml /index.php?$query_string;  
}
```

- Clear cache with:

```
php artisan page-cache:clear
```

6. Package 4: Totem

6.1 Description and Why

- **Description:** Manages Laravel schedules and console commands with a user-friendly dashboard.
- **Why:** Provides an intuitive interface to schedule, manage, and monitor tasks without modifying code directly.

Features:

- GUI for managing schedules and commands
- Enable/disable tasks on the fly
- Schedule commands easily

6.2 Installation

```
composer require studio/laravel-totem
```

- Add `TotemServiceProvider` to `providers` in `config/app.php`:

```
Studio\Totem\Providers\TotemServiceProvider::class,
```

- Run migrations and publish assets:

```
php artisan migrate  
php artisan totem:assets
```

- Make sure to have the laravel task scheduler cron setup:

```
* * * * * php /path-to-your-project/artisan schedule:run >> /dev/null 2>&1
```

6.3 How to Use

- Access dashboard at `/totem` in your application.
- Configure authentication in `AppServiceProvider`:

```
use Studio\Totem\Totem;

Totem::auth(function($request) {
    return Auth::check(); // true or false
});
```

- Schedule tasks via the dashboard or command line:

```
php artisan schedule:list
```

6.4 Additional Notes

- Filter Commands Dropdown:

```
'artisan' => [  
    'command_filter' => [  
        'stats:*',  
        'email:daily-reports'  
    ],  
],
```

- Console Command:

```
php artisan schedule:list
```

7. Demo Time

Live Demonstration of Packages

- **Laravel Migrations Generator:** Generating migrations live.
- **iSeed:** Creating and applying seed files.
- **Page Cache:** Implementing and clearing page cache.
- **Totem:** Managing schedules and commands via the GUI.

8. Q&A

? Questions and Answers

Feel free to ask about any of the packages or demos!

9. Thank You

 Thank you for attending!

- **Contact:** dishantpal37@gmail.com, dspal@enacton.com
- **Code:** <https://github.com/DishantPal/coffee-hub>
- **Slides:** <https://github.com/DishantPal/coffee-hub/ppt.html>