DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Php With Laravel Advanced Training

Deliver production Laravel apps with advanced Eloquent, authentication and authorization, queues, events, automated tests and safe deployment.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **5 days · Days 1-5**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **Verifiable certificate of completion**

Foundation	Essential	Intermediate	Advanced
1 day · Included	2 days · Included	3 days · Included	5 days · This curriculum

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	55 topics · Foundation to Advanced
Hands-on labs	4 labs
Formats and fees	Live, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/php-with-laravel/php-with-laravel-advance-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the Php With Laravel course path, you will be able to:

1

Write solid PHP 8 code

Write typed, object-oriented PHP with namespaces, exceptions and PSR-4 autoloading.

2

Build Laravel MVC applications

Build Laravel applications with Blade, routing, validation, migrations and Eloquent relationships.

3

Run Laravel in production

Secure, test, queue and deploy Laravel applications with Gates, Policies, Sanctum and automated tests.

WHAT THE ADVANCED LEVEL ADDS

Advanced Laravel: auth, queues, testing, deployment

Hands-on: Add auth, queues and tests. Extend the blog with role-based authorization, a queued notification job, a broadcast event and a PHPUnit or Pest test suite, then deploy it.

WHO SHOULD ATTEND

- Experienced Php With Laravel practitioners responsible for quality, security and scale.
- Senior engineers, architects and leads who design and troubleshoot Php With Laravel solutions.
- Teams making Php With Laravel an organisation-wide standard.

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Build a Laravel MVC application with Blade views, routes, controllers, validation, migrations and Eloquent models.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION TO ADVANCED

Php With Laravel Advanced Training agenda

55 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: PHP setup, syntax, functions and arrays

Included from Foundation

1. Introduction to PHP: history of PHP, intended audience, what's possible and where Laravel fits in the PHP ecosystem
2. Environment setup: PHP 8.4 or 8.5, Composer, the Laravel installer, Laravel Herd or Docker-based Sail
3. First scripts: example programs, reserved keywords, general data types and var_dump()
4. Operators: arithmetic, incrementing/decrementing, assignment, string, comparison, spaceship and logical operators
5. Control structures: if statement, else if, switch statement, ternary operator and null coalesce operator
6. Loops: while loop, for loop and foreach loop with break and continue
7. Functions: what is a function, creating and calling a function, passing parameters and default parameters
8. Return values and scope: returning values, variable functions, variable scope and global variables
9. Strings: single quoted and double quoted strings, here documents, print() and changing case
10. String functions: strlen(), strpos(), str_replace(), substr() and str_split()
11. Arrays: about arrays, indexed, associative and multi-dimensional arrays
12. Array functions: array_key_exists(), in_array(), array_push(), array_pop(), unset(), count() and sorting arrays
13. Custom functions with arrays: manipulation, iteration and sorting with array_map, array_filter and usort

DAY 2 — Essential: OOP, databases, forms, sessions and REST basics

Included from Essential

14. Classes and objects: creating a simple class and object, creating and accessing properties, constants and methods, $this
15. Constructors and inheritance: initial parameter passing, polymorphism, encapsulation, protected and private properties
16. Static members and files: static properties and methods, the scope resolution operator ::, include file and require file
17. Databases: possible databases, PDO vs. MySQLi, setting up MySQL on Windows, creating a database and table with phpMyAdmin
18. Database operations: connecting and closing, executing DELETE, UPDATE and INSERT, grabbing the inserted id, selecting data
19. Prepared statement and PDO examples: binding parameters, quoting and input validation against SQL injection
20. Web programming: site location on Linux and Windows, web site structure and layout, shorter syntax with HTML
21. Building the LAMP stack: introduction, installation of Apache, MySQL and PHP, and alternatives such as LEMP and Docker
22. Forms: accessing form data with PHP, HTML forms, $_GET and $_POST, demo of creating a form
23. Form validation: validating user input, input validation demonstration and toast-style flash messages
24. The Lending Library's database: design, create and populate, query and update; book search demo with PDO and MySQLi
25. Doing more with the database: prepared statements, non-queries, summary functions, stored procedures and functions

26. Maintaining state: sessions (session_start, $_SESSION, session_destroy), hidden fields, cookies, preferences and carts
27. RESTful web services with PHP and Laravel: what REST is, Postman setup and demo, course project setup, CORS, wrap up

DAY 3 **Intermediate: Laravel MVC, Blade, routing, validation and Eloquent** Included from Intermediate

28. Introduction to Laravel: what is Laravel, MVC vs non-MVC, the Artisan command line interface (serve, make, route:list)
29. Setting up a Laravel project: laravel new or composer create-project, understanding the folder structure
30. Views and Blade templating engine: why use templating engines, displaying data and using layouts
31. Blade partials, control structures and XSS protection: @include, components, @if, @foreach and escaped output
32. Facades and working with routes: the Route facade, route parameters and alternative route syntax
33. Handling requests and sending responses: extracting data from a GET request and sending data to a view
34. Dependency injection: handling POST requests with DI, dependency injection vs facades, the service container
35. Protecting against CSRF attacks: @csrf tokens, CSRF protection demo, using sessions to show temporary data
36. Input validation: the case for validation, validation rules in controllers, showing errors and moving messages into partials
37. Configuration and environments: .env files, config caching and configuring the database connection
38. Controllers and models: creating the Post model and controller, connecting actions and routes, how Laravel finds a controller
39. Migrations: databases bird's eye overview, migrations overview, creating, running and rolling back migrations
40. Eloquent ORM: models, creating and updating with Tinker, retrieving single models and collections, the query builder
41. Course project: finishing the Post model and controller, list of blog posts and single blog post pages

DAYS 4-5 **Advanced: Advanced Laravel: auth, queues, testing, deployment** **New at this level**

42. PHP fundamentals review: syntax, variables, data types, control structures, functions and arrays for Laravel developers
43. Exception handling: handling errors and exceptions, try-catch blocks, custom exception classes, Laravel exception reporting
44. Namespaces and autoloading: understanding namespaces, organising code, autoloading classes with PSR-4 and Composer
45. Laravel fundamentals review: directory structure, MVC architecture, routing, controllers, views and Blade
46. Advanced routing: route model binding and implicit binding, named routes, route groups, middleware for route protection
47. Advanced Eloquent relationships: querying relationships, eager loading, whereHas, withCount and other query constraints
48. Polymorphic relationships and pivot tables: morphTo, morphMany and belongsToMany with pivot data
49. Authentication: starter kits, customising authentication views and routes, API tokens with Sanctum
50. Authorization and social login: role-based access with Gates and Policies, OAuth social authentication with Socialite
51. Queues and job scheduling: jobs, queue workers, the Redis driver, Horizon and the task scheduler
52. Events and broadcasting: events and listeners, broadcasting over WebSockets with Laravel Reverb and Echo

53. Testing: PHPUnit or Pest feature and unit tests, model factories, Laravel Dusk browser tests and basic Selenium WebDriver commands
54. Deployment strategies and best practices: config and route caching, OPcache, Supervisor workers, zero-downtime releases
55. Capstone: build, test and deploy a multi-user Laravel application with roles, queued email and real-time notifications

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

Write a PHP grade-book script

Build a script that stores students and marks in associative arrays, calculates averages with custom functions and prints a sorted report.

ESSENTIAL

Build the Lending Library web app

Create the library database and PHP pages to search, add and update books with PDO, validated forms, sessions and a shopping-cart style reading list.

INTERMEDIATE

Build a Laravel blog application

Build a blog with Laravel routes, controllers, Blade layouts, validated forms with CSRF protection, migrations and Eloquent models.

ADVANCED

Add auth, queues and tests

Extend the blog with role-based authorization, a queued notification job, a broadcast event and a PHPUnit or Pest test suite, then deploy it.

HOW YOU CAN LEARN

Formats and fees

The same agenda in three formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
Self-paced video	1-year LMS access	All four Php With Laravel levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	5 days for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative). 1:1 training is also available on demand.	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR PHP WITH LARAVEL TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. Corporate and 1:1 batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/php-with-laravel/

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