Laravel Interview Questions

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Basic Level

- 1. What is Laravel?
- 2. What are the features of Laravel?
- 3. What is routing in Laravel?
- 4. What is middleware in Laravel?
- 5. What is the use of `artisan` command?
- 6. Explain the Laravel directory structure.
- 7. What is CSRF protection in Laravel?
- 8. What are facades in Laravel?
- 9. What is the difference between `get`, `post`, `put`, and `delete` routes in Laravel?
- 10. How do you create a controller in Laravel?

Intermediate Level

- 1. What is the difference between `web.php` and `api.php` route files?
- 2. How does Laravel's service container work?
- 3. What are service providers in Laravel?
- 4. What is Eloquent ORM?
- 5. How do you define relationships in Eloquent (one-to-one, one-to-many, many-to-many)?
- 6. What is eager loading in Eloquent and why is it used?
- 7. What is dependency injection in Laravel?
- 8. How do you use validation in Laravel?
- 9. What are events and listeners in Laravel?
- 10. What is a job and how does queueing work in Laravel?

Advanced Level

- 1. How does Laravel handle authentication and authorization?
- 2. What are Laravel policies and gates?
- 3. What is a repository pattern and how do you implement it in Laravel?
- 4. Explain how Laravel's request lifecycle works.
- 5. How can you optimize performance in a large Laravel application?
- 6. What is Laravel Horizon?
- 7. How do you use Laravel's broadcasting and real-time events?
- 8. How does Laravel's task scheduling (`Kernel.php`) work?
- 9. What is a service binding in the Laravel container?
- 10. What are Laravel Macros and when would you use them?

Practical / Coding Tasks

- 1. Create a CRUD with Eloquent and Resource Controllers.
- 2. Implement middleware to restrict access to certain routes.
- 3. Use form request validation in a controller.
- 4. Integrate API authentication using Laravel Sanctum or Passport.
- 5. Write a custom Artisan command to run a scheduled task.