

82 Laravel interview questions to ask developers (and answers)

Questions

1. Can you explain what Laravel is and why it's used?
2. What are some key features of Laravel?
3. How does Laravel handle database migrations?
4. What is Eloquent in Laravel?
5. Can you explain what middleware is in Laravel?
6. What is Blade templating engine in Laravel?
7. How does Laravel handle error and exception handling?
8. What are service providers in Laravel?
9. How do you create a new Laravel project using Composer?
10. What is the purpose of the .env file in Laravel?
11. Can you explain the MVC architecture in Laravel?
12. How do you define routes in Laravel?
13. What are Artisan commands and how do you use them?
14. Explain the difference between GET and POST methods in Laravel.
15. How do you create and use controllers in Laravel?
16. What is the purpose of the 'php artisan tinker' command?
17. How do you handle form validation in Laravel?
18. What are seeders and factories in Laravel?
19. How do you create and use custom helpers in Laravel?
20. Explain the concept of dependency injection in Laravel.
21. What is the purpose of the 'composer.json' file?
22. How do you set up a database connection in Laravel?
23. What are Laravel Collections and how are they used?
24. How do you handle file uploads in Laravel?
25. What is the purpose of the 'php artisan serve' command?
26. How do you create and use view files in Laravel?
27. What are Laravel's query scopes and how do you use them?
28. How do you implement authentication in a Laravel application?
29. How does Laravel handle caching, and what are some caching strategies you've implemented?
30. Can you explain Laravel's event broadcasting system and when you might use it?
31. How do you handle API versioning in Laravel, and why is it important?
32. Explain Laravel's job queues and when you would use them.
33. How do you implement and use Laravel's policy classes for authorization?
34. What are Laravel's service containers and how do they facilitate dependency injection?
35. How do you implement and use Laravel's custom validation rules?
36. Explain Laravel's model observers and when you might use them.
37. How do you implement and use Laravel's query scopes?
38. Explain Laravel's rate limiting feature and when you would use it.
39. Can you explain how you would implement role-based access control in a Laravel application?
40. What strategies do you use for optimizing Laravel application performance?
41. How do you manage database transactions in Laravel, and why are they important?
42. Describe your experience with Laravel's testing capabilities, including feature and unit tests.
43. How do you integrate third-party services with Laravel, and can you provide an example?
44. What is your approach to handling and logging errors in a Laravel application?
45. Can you explain the process of creating and using Laravel packages?
46. How do you ensure security best practices in Laravel applications?
47. What are the benefits of using Laravel Mix in your projects?
48. Can you discuss how to implement multi-tenancy in Laravel?
49. How do you handle background tasks and scheduling in Laravel?
50. What strategies do you use for implementing caching in Laravel applications?
51. Can you explain the differences between Laravel's route model binding and traditional binding?
52. How do you manage configuration across different environments in a Laravel application?
53. What is your experience with Laravel's API resources and how do you use them?
54. How do you implement custom logging channels in Laravel?
55. Can you explain the concept of service containers and how you utilize them in your projects?
56. What techniques do you use for optimizing database queries in Laravel?
57. How do you approach the deployment of a Laravel application in a production environment?
58. Can you explain what Facades are in Laravel and how they work?
59. What is the purpose of the Laravel service container?
60. How does Laravel handle database transactions?
61. What are Laravel's query scopes and how are they used?
62. Explain the concept of method injection in Laravel.
63. What are Laravel's database seeders and how are they used?
64. How does Laravel implement the repository pattern?
65. What is the purpose of Laravel's service providers?
66. How does Laravel handle broadcasting and what is its primary use case?
67. Can you explain what the Laravel Homestead is and why you might use it?
68. How does Laravel facilitate testing, and why is it important?
69. What is the purpose of Laravel's service container?
70. Can you explain how Laravel's Blade templating engine enhances web development?
71. What is Laravel Forge, and how does it assist in deploying Laravel applications?
72. How does Laravel's localization feature work, and why is it useful?
73. Can you explain the concept of 'queues' in Laravel and when you would use them?
74. How does Laravel's built-in authentication system work?
75. What is Laravel's task scheduling, and how does it simplify cron job management?
76. How would you handle a situation where a client requests a feature that conflicts with Laravel's default behavior?
77. Imagine you're in the middle of an important project, and a critical bug is reported in production. How would you prioritize your tasks?
78. You're working with a junior developer who is struggling to understand Laravel's Eloquent ORM. How would you mentor them?
79. How would you approach optimizing a slow-running Laravel application?
80. A client requests a complex report that involves multiple database tables. How would you design the solution in Laravel?