51 Ruby on Rails Interview Questions to Hire Top Developers

Questions

1. Can you explain what Ruby on Rails is and why it is used?

2. What is MVC architecture and how does Rails implement it?

3. How do you create a new Rails application?

4. What are migrations and how are they used in Rails?

5. Can you explain the concept of RESTful routes in Rails?

6. What is Active Record and how does it work?

7. How do you handle validations in Rails models?

8. Can you describe the Rails asset pipeline?

9. What are the main differences between `render` and `redirect_to` in Rails controllers?

10. How do you manage dependencies in a Rails application?

11. What is a partial and how do you use it in Rails?

12. Can you explain the purpose and use of helper methods in Rails?

13. How do you debug a Rails application?

14. What is the difference between `find` and `find_by` methods in Active Record?

15. Can you explain the Rails callback system?

16. How do you handle errors and exceptions in Rails?

17. What is the significance of the `Gemfile` in a Rails project?

18. How do you implement authentication in a Rails application?

19. Can you explain the concept of 'convention over configuration' in Ruby on Rails?

20. How would you implement caching in a Rails application?

21. What are concerns in Rails and how do you use them?

22. How do you handle file uploads in a Rails application?

23. Explain the concept of polymorphic associations in Rails.

24. How would you optimize a slow Rails application?

25. How do you schedule background tasks in a Rails application?

26. Can you explain the role of Sidekiq in managing background jobs in Rails?

27. What strategies do you use to handle long-running tasks in Rails?

28. How do you manage environment-specific configurations in a Rails application?

29. Describe your process for optimizing database queries in a Rails project.

30. How do you handle data seeding in Rails?

31. What is the role of Active Job in Rails, and how do you use it?

32. How do you handle concurrent processing in a Rails application?

33. Can you describe the process of setting up and using Rake tasks in Rails?

34. What steps do you take to ensure your Rails application is scalable?

35. How do you handle multi-tenant applications in Rails?

36. Can you explain how you would implement a search feature in a Rails application?

37. What methods do you use to maintain code quality in a Rails project?

38. How do you handle time zones and localization in a Rails application?

39. Can you explain the difference between symbols and strings in Ruby?

40. What is the purpose of the 'yield' keyword in Ruby?

41. How does Ruby on Rails handle database migrations?

42. What is the difference between 'include' and 'extend' in Ruby modules?

43. Can you explain what Rack is and its role in Ruby on Rails?

44. What is the purpose of the 'config/initializers' directory in a Rails application?

45. How would you approach optimizing a slow-loading Rails application?

46. Describe a situation where you had to refactor a large Rails codebase. How did you approach it?

47. How would you implement a feature that requires real-time updates in a Rails application?

48. You've discovered a security vulnerability in a third-party gem your Rails application depends on. How would you handle this situation?

49. How would you approach integrating a new API into an existing Rails application?

50. Describe how you would implement a multi-tenant architecture in a Rails application.

51. How would you handle database migrations in a Rails application with zero downtime?