

80 Supabase Interview Questions to Hire Top Talent

Questions

1. Can you explain what Supabase is and how it differs from traditional databases?
2. How would you handle data migrations in a Supabase project?
3. What security measures does Supabase offer, and how would you implement them in a project?
4. How would you optimize query performance in a Supabase project?
5. Explain how you would implement real-time functionality in a Supabase application.
6. How would you approach testing a Supabase-backed application?
7. What strategies would you use to handle offline functionality in a Supabase application?
8. How would you approach scaling a Supabase application for high traffic?
9. Can you explain the concept of Row Level Security in Supabase and provide an example of when you might use it?
10. How would you set up and use Supabase Auth in a simple web application?
11. Describe the process of creating and using a stored procedure in Supabase.
12. What are Supabase Edge Functions, and how might you use them in a project?
13. How would you implement basic CRUD operations using Supabase's JavaScript client library?
14. Explain the purpose of Supabase Realtime and give an example of its practical application.
15. How would you handle file uploads and storage using Supabase Storage?
16. What is the difference between Supabase's `select()` and `rpc()` methods, and when would you use each?
17. How can you use Supabase's Postgres extensions, like pgvector, in your projects?
18. Describe how you would set up and use foreign key relationships in Supabase.
19. What are Supabase Policies, and how do they contribute to data security?
20. How would you implement full-text search functionality using Supabase?
21. Explain the concept of Database Webhooks in Supabase and provide a use case.
22. How can you use Supabase's built-in GraphQL API, and what are its limitations?
23. Describe the process of setting up and using database triggers in Supabase.
24. How would you implement role-based access control using Supabase Auth?
25. What is the purpose of Supabase's pgBouncer, and how does it benefit your application?
26. How can you use Supabase's database functions to enforce business logic?
27. Explain how you would implement pagination when querying data from Supabase.
28. How would you approach debugging issues in a Supabase-backed application?
29. How would you manage database backups in Supabase?
30. Can you explain how to monitor database performance in Supabase?
31. Describe your approach to managing Supabase database schemas.
32. How do you ensure data consistency in a Supabase application?
33. How would you handle database indexing in Supabase?
34. What is your approach to managing database connections in Supabase?
35. Can you explain how you would handle data partitioning in Supabase?
36. Describe your approach to managing database roles and permissions in Supabase.
37. How do you approach data encryption in Supabase?
38. What strategies do you use for database optimization in Supabase?
39. Explain how to use Supabase's row-level security with complex conditional logic.
40. How would you integrate Supabase with other cloud services for a multi-cloud architecture?
41. Discuss how you would handle multi-tenancy in a Supabase application.
42. What are some strategies for ensuring high availability in a Supabase deployment?
43. Explain how you would create and manage database indexes in Supabase for optimal performance.
44. How would you implement a data archiving strategy using Supabase?
45. Describe the process for setting up automated data synchronization between Supabase and another database.
46. How do you manage and rotate API keys or secrets in a Supabase environment?
47. What are the best practices for securing sensitive data in Supabase at rest and in transit?
48. How would you implement Supabase's database hooks for auditing changes in your data?
49. Explain how you would use Supabase's analytics capabilities to gain insights from your application's data.
50. Discuss the steps you would take to recover a Supabase database after a catastrophic failure.
51. How would you handle schema migrations in a live Supabase application with minimal downtime?
52. Describe your approach to using Supabase functions to create complex, reusable business logic.
53. Explain how you would use Supabase's caching mechanisms to improve application performance.
54. How would you monitor and troubleshoot real-time events in a Supabase application?
55. What strategies would you use to implement cross-database queries using Supabase?
56. Discuss how you would handle compliance with data protection regulations using Supabase.
57. What are the key steps involved in deploying a Supabase application?
58. How do you ensure the security of a Supabase application during deployment?
59. What strategies do you use to handle database schema changes during deployment?
60. How do you monitor the performance of a Supabase application post-deployment?
61. What are the best practices for managing environment variables in a Supabase deployment?
62. How do you handle rollback procedures in case of deployment failures?
63. What are some challenges you have faced during Supabase deployments, and how did you overcome them?
64. How do you ensure the security of API keys in a Supabase application?
65. What steps would you take to secure sensitive data in Supabase at rest and in transit?
66. Can you explain how to implement role-based access control (RBAC) in Supabase?
67. How would you use Supabase's database hooks for auditing changes in your data?
68. What are the best practices for managing environment variables in a Supabase deployment?
69. Explain how you would monitor and troubleshoot real-time events in a Supabase application.
70. How would you handle compliance with data protection regulations using Supabase?
71. Discuss the steps you would take to recover a Supabase database after a catastrophic failure.
72. How do you ensure the security of a Supabase application during deployment?
73. How would you handle a situation where a critical Supabase function suddenly stops working in production?
74. Describe a time when you had to optimize a Supabase query under tight deadlines. How did you approach it?
75. What would you do if you discovered that a Supabase table containing sensitive data was accidentally exposed to unauthorized users?
76. How would you manage a situation where your Supabase database needs to handle a sudden spike in traffic?