

# 107 Odoo Developer Interview Questions to Hire Top Engineers

## Questions

1. What are the key benefits of using Odoo as a business management platform, and how does it compare to other similar systems you might know?
2. Can you describe the basic architecture of Odoo, including its modules and how they interact with each other?
3. Explain what a model is in Odoo, and how it's used to store and manage data. Can you give a simple example?
4. What is a view in Odoo, and what are the different types of views you can create? Why are views important?
5. Describe the purpose of Odoo's ORM (Object-Relational Mapping). How does it simplify database interactions?
6. What are the steps involved in creating a new module in Odoo? Explain the purpose of the manifest file.
7. How do you define fields in an Odoo model? What are some common field types, and what are their uses?
8. Explain how you would add a button to an Odoo form view and define the action that the button performs.
9. What is inheritance in Odoo? Describe the difference between class inheritance and delegation inheritance.
10. How do you use the 'depends' attribute in Odoo? Give an example of when you would use it.
11. What is QWeb in Odoo, and how is it used? Can you give an example of how you might use it to customize a website page?
12. Describe how you would debug an Odoo module. What tools and techniques would you use?
13. What are some best practices for writing clean and maintainable Odoo code?
14. How do you handle security in Odoo? Explain how you would define access rights for different user groups.
15. Explain how you would create a basic report in Odoo. What are the different options for report generation?
16. What is the purpose of Odoo's API? How can you use it to interact with Odoo from external applications?
17. Describe the process of deploying an Odoo module to a production environment. What are some important considerations?
18. How do you handle data migration in Odoo when upgrading to a new version? What are some potential challenges?
19. Explain the concept of workflows in Odoo. How would you define a simple workflow for a sales order?
20. What are some common performance optimization techniques for Odoo? How can you improve the speed of your modules?
21. How would you contribute to the Odoo community? Are you familiar with the Odoo app store and its purpose?
22. Can you describe the basic Odoo architecture in simple terms?
23. What are models, views, and controllers in Odoo, and why are they important?
24. How do you create a new module in Odoo?
25. What is a manifest file in Odoo, and what information does it contain?
26. Explain the difference between char, text, and integer fields in Odoo models.
27. How do you define a many2one relationship between two models?
28. What is an Odoo view, and what are some different types of views you can create?
29. How do you customize the Odoo user interface?
30. What are QWeb templates, and how are they used in Odoo?
31. How can you add a button to a form view and make it perform a specific action?
32. What is an ORM method in Odoo, and can you give an example?
33. Explain the concept of inheritance in Odoo and how you can extend existing models.
34. How do you debug Odoo code?
35. What is the purpose of Odoo's automated testing framework?
36. How can you create a simple report in Odoo?
37. What are the different types of access rights in Odoo, and how do they control user permissions?
38. How do you handle errors and exceptions in Odoo?
39. What is Odoo's workflow engine, and how is it used?
40. Describe a time when you had to solve a challenging problem while working with Odoo. What was your approach?
41. What are some best practices for Odoo development?
42. How would you define a function that calculates the sum of two fields in an Odoo model?
43. Explain how to add a new field to an existing Odoo model without breaking existing functionality.
44. How would you go about creating a custom module to handle a specific business process?
45. Describe how to implement security measures in Odoo to protect sensitive data.
46. What steps would you take to optimize the performance of an Odoo application?
47. How can you integrate Odoo with external systems or APIs?
48. What is the role of the Odoo shell, and how can it be used for development and debugging?
49. Can you explain the concept of computed fields in Odoo and how they are used?
50. How can you use the Odoo debugger to step through code and identify issues?
51. Describe your experience with version control systems like Git and how they relate to Odoo development.
52. Explain how you would debug a performance issue in an Odoo module.
53. Describe the process of creating a new computed field in Odoo and how you would test it.
54. How do you handle database migrations when updating an Odoo module?
55. Explain the difference between `@api.onchange`, `@api.depends`, and `@api.constrains` decorators and when to use each.
56. Describe a situation where you used QWeb views and how you customized them.
57. How would you implement a scheduled action (cron job) in Odoo to automate a specific task?
58. Explain how you would extend an existing Odoo model with new functionality without directly modifying the original module.
59. Describe your experience with Odoo's security model (access rights, record rules) and how you would use them to control data access.
60. How do you use Odoo's testing framework to ensure the quality of your code?
61. Explain the purpose of the Odoo manifest file (`__manifest__.py`) and what are the key elements it should contain.
62. Describe how you would integrate Odoo with an external API (e.g., a payment gateway or shipping provider).
63. How do you handle concurrency issues when writing Odoo code that modifies data?
64. Explain how you would create a custom wizard in Odoo to guide users through a multi-step process.
65. Describe the process of creating a new report in Odoo using QWeb.
66. How do you use Odoo's ORM to perform complex database queries?
67. Explain the concept of 'inheritance' in Odoo development and provide an example.
68. Describe how you would customize the Odoo web interface (e.g., adding a new button or changing the layout).
69. How do you handle translation of custom modules in Odoo?
70. Explain the difference between `create`, `write`, and `unlink` methods in Odoo's ORM.
71. Describe your experience with Odoo's debugging tools and techniques.
72. How would you implement a search panel to filter data in a list view in Odoo?
73. Explain how you would add a new field to an existing Odoo model and make it visible in a form view using XML.
74. Describe a time you had to optimize a slow Odoo query and what steps you took.
75. How do you manage dependencies between Odoo modules you develop?
76. Explain how you would create a new kanban view in Odoo.
77. Describe how you would implement a custom widget in Odoo's web client.
78. How do you use logging in Odoo to track errors and debug issues?
79. Explain how you would use server actions to automate tasks based on specific triggers.
80. Describe a time you had to debug a complex performance issue in Odoo. What steps did you take?
81. Explain the difference between `@api.depends` and computed fields in Odoo. When would you use one over the other?
82. How does Odoo's ORM handle database transactions? Can you give an example of when you would need to manually manage transactions?
83. What are some strategies for optimizing Odoo's performance, especially in a high-volume environment?
84. Explain how you would implement a custom report in Odoo, including considerations for data retrieval and formatting.
85. Describe a situation where you had to integrate Odoo with an external system. What challenges did you face and how did you overcome them?
86. How familiar are you with Odoo's JavaScript framework? Explain your experience with widgets and client-side logic.
87. What are the key differences between Odoo versions (e.g., v14, v15, v16) from a developer's perspective?
88. How do you approach writing unit tests for Odoo modules? What are some best practices?
89. Explain how you would implement a custom security rule in Odoo to restrict access to specific records.
90. Describe your experience with Odoo's workflow engine. How would you customize a workflow for a specific business process?
91. How would you handle a situation where you need to migrate data from an older Odoo version to a newer one, including potential data inconsistencies?
92. Explain your understanding of Odoo's caching mechanisms. How can you leverage caching to improve performance?
93. Describe your experience with customizing Odoo's web interface. What are some techniques for creating a user-friendly experience?
94. How familiar are you with Odoo's API? How would you use it to create a custom integration with another system?
95. What are some strategies for managing dependencies in Odoo modules, especially when dealing with third-party libraries?
96. Explain how you would implement a custom scheduler in Odoo to automate a specific task.
97. Describe a time when you had to refactor a large Odoo module. What steps did you take to ensure code quality and maintainability?
98. How familiar are you with Odoo.sh? What are the benefits and drawbacks of using it for development and deployment?
99. Explain how you would handle a situation where you need to extend an existing Odoo module without modifying the original code (inheritance vs. delegation). What are the pros and cons of each?
100. Describe your experience with different Odoo deployment strategies (e.g., Docker, cloud platforms). What are the key considerations for each?
101. How do you approach version control and collaboration when working on Odoo projects with a team?
102. Explain your understanding of Odoo's role-based access control (RBAC) system. How would you implement a custom role with specific permissions?
103. Describe a time when you had to troubleshoot a complex error in Odoo's server logs. What tools and techniques did you use?
104. How would you approach designing a new Odoo module to solve a specific business problem?
105. Explain how you would implement a custom payment gateway in Odoo.