

# 102 Appium interview questions to hire top engineers

## Questions

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1. What is Appium, in simple terms?
2. Can Appium test apps on both Android and iOS? How?
3. What are the main parts of Appium's architecture? (Imagine them as building blocks!)
4. What programming languages can you use to write Appium tests? Which one do you prefer and why?
5. What is an 'element' in Appium? How do you find one?
6. What are locators in Appium? Give some examples.
7. How do you install Appium and set it up for testing Android apps?
8. What is the difference between 'findElement' and 'findElements'?
9. Explain what an Appium 'driver' is and what it does.
10. How do you automate a simple action like clicking a button in Appium?
11. What is the use of Desired Capabilities in Appium?
12. Have you ever used any reporting tools with Appium? Which one and why?
13. How can you handle different screen sizes and resolutions in Appium?
14. What are some common Appium exceptions (errors) you might encounter, and how would you fix them?
15. Can you explain the difference between native, hybrid, and web apps in the context of Appium testing?
16. What are the advantages of using Appium over other mobile testing tools?
17. How do you scroll on a mobile screen using Appium?
18. How would you verify that a specific text is displayed on the screen using Appium?
19. What is the Appium Inspector and how can it help you write tests?
20. Describe a situation where you faced a challenge while writing an Appium test and how you resolved it.
21. How do you run Appium tests on a real device versus an emulator or simulator?
22. What is Appium, in very simple words, and why do we use it for testing apps?
23. Imagine your phone is a house. How does Appium help you 'knock' on the app's 'door' to test things?
24. Can you explain the difference between an emulator and a real device, and when would you use each for testing with Appium?
25. What are some basic things you need to set up \*before\* you can start using Appium to test an app?
26. If you wanted to click a button in an app using Appium, how would you tell Appium \*which\* button to click?
27. What's an 'element' in an app, and why is it important when using Appium?
28. Let's say Appium isn't working. What's the \*first\* thing you would check to see if you can fix it?
29. Have you ever used any other mobile testing tools? If so, which ones and what did you think?
30. Can you describe a situation where you would need to use a 'wait' in your Appium test script?
31. What does it mean to 'inspect' an app, and how does it help with Appium testing?
32. How can you check if a specific text is displayed on the screen using Appium?
33. What are some of the different 'locators' that Appium can use to find elements?
34. If your test fails, how would you go about figuring out \*why\* it failed?
35. What's the difference between 'native', 'hybrid', and 'web' apps, and how does Appium handle them differently?
36. Why is it a good idea to write clear and easy-to-understand test scripts?
37. Imagine you need to test the login functionality of an app. What are some test cases you would write?
38. What is a 'session' in Appium, and why is it important?
39. How can you send text to a text field in an app using Appium?
40. What are 'desired capabilities' in Appium and what kind of information do they contain?
41. Can you describe the basic flow of how Appium interacts with a mobile device or emulator?
42. What is the Appium server and what role does it play in your tests?
43. How do you start and stop the Appium server?
44. What is the purpose of setting up environment variables for Appium?
45. How would you install an app on a device using Appium?
46. How would you retrieve text displayed by an element?
47. Let's say an element is not being found by Appium. What troubleshooting steps would you take?
48. What are some common exceptions you might encounter when working with Appium?
49. How can you scroll on a mobile screen using Appium?
50. How would you handle pop-up alerts or permission requests during testing?
51. What are the benefits of using a framework with Appium?
52. How do you handle dynamic element locators in Appium, and what strategies do you employ to ensure test stability when elements change frequently?
53. Explain your approach to handling different screen orientations (portrait/landscape) in your Appium tests. How do you ensure your tests work correctly in both modes?
54. Describe your experience with handling alerts and pop-ups using Appium. What are the common challenges, and how do you overcome them?
55. How do you integrate Appium tests into a Continuous Integration/Continuous Delivery (CI/CD) pipeline, and what tools do you use for reporting and analysis?
56. What is your strategy for parallel test execution using Appium, and what are the benefits and drawbacks of this approach?
57. Explain how you would verify the performance of a mobile app using Appium. What metrics would you measure, and how would you collect them?
58. Describe your experience with handling mobile web testing using Appium. What are the differences between testing native apps and mobile web apps?
59. How do you handle scrolling in Appium tests, especially when dealing with long lists or dynamic content?
60. What are the different ways to interact with native device features (e.g., camera, GPS) using Appium, and what are the limitations?
61. Explain your approach to handling different mobile operating systems (iOS and Android) in your Appium tests. How do you write cross-platform tests?
62. How do you handle file uploads and downloads in Appium tests?
63. Describe your experience with handling touch gestures (e.g., swipe, pinch, zoom) using Appium.
64. How do you handle push notifications in Appium tests?
65. What strategies do you use to improve the reliability and stability of your Appium tests?
66. Explain how you would debug an Appium test that is failing intermittently.
67. How do you handle localization and internationalization testing using Appium?
68. Describe your experience with using different Appium client libraries (e.g., Java, Python, Ruby). What are the advantages and disadvantages of each?
69. How would you implement data-driven testing with Appium?
70. Explain how you would test accessibility features of a mobile app using Appium.
71. How do you handle network conditions (e.g., slow network, airplane mode) in your Appium tests?
72. Describe your experience with using Appium Inspector or other tools for inspecting mobile app elements.
73. How do you handle video playback testing with Appium?
74. Explain how you would test in-app purchases using Appium.
75. What are some common Appium best practices that you follow?
76. How do you deal with flakiness in Appium tests, and what techniques do you use to mitigate it?
77. Describe a challenging Appium automation problem you solved and the steps you took to resolve it.
78. How do you handle hybrid app testing (testing apps that combine native and web components) using Appium?
79. How do you use Appium to test apps on real devices vs emulators/simulators, and what are the trade-offs?
80. How would you design a robust Appium test suite for a complex mobile application with various native and hybrid components?
81. Describe your experience with different Appium drivers (e.g., UIAutomator2, XCUITest) and when you would choose one over the other. Explain like I am five.
82. What are some strategies you've used to handle dynamic element locators in Appium tests, and how do you ensure test stability?
83. Explain your approach to handling different screen sizes and resolutions in Appium tests. What techniques have you found most effective?
84. How do you integrate Appium tests into a CI/CD pipeline? What tools and practices do you recommend for automated test execution and reporting?
85. Describe a situation where you had to troubleshoot a flaky Appium test. What steps did you take to identify and resolve the issue?
86. What are some advanced Appium features or capabilities that you've utilized in your projects, such as image recognition or network interception?
87. How do you approach testing mobile application performance using Appium, and what metrics do you typically monitor?
88. Describe your experience with parallel test execution in Appium. What are the benefits and challenges of running tests concurrently?
89. What are some strategies you've used to improve the speed and efficiency of your Appium tests?
90. How do you handle authentication and authorization flows in Appium tests, especially when dealing with sensitive user data?
91. Explain your approach to testing push notifications in mobile applications using Appium.
92. Describe your experience with mobile device farms and cloud-based testing platforms like Sauce Labs or BrowserStack. What are the advantages of using these services?
93. How do you ensure that your Appium tests are maintainable and scalable as the mobile application evolves?
94. What are some best practices for writing clean and readable Appium test code?
95. How do you stay up-to-date with the latest Appium features and updates? What resources do you find most helpful?
96. Describe a challenging Appium automation problem you faced and how you solved it.
97. How familiar are you with Appium's Inspector and how do you use it for test creation and debugging?
98. What is your approach to handling pop-ups, alerts, and dialogs in Appium tests?
99. Have you used Appium for testing mobile web applications within a mobile browser? If so, what were the key differences compared to testing native apps?
100. How do you approach testing location-based services in Appium?
101. Describe how you would simulate different network conditions (e.g., slow internet, airplane mode) during Appium tests.