

QA

ADVANCED

5 DAYS

Mobile Automation Testing with Appium

Build a strong foundation in mobile automation testing using Appium by understanding its architecture and core capabilities. Learn how to set up environments, write efficient test scripts, automate mobile interactions across iOS and Android devices, and manage test data for reliable cross platform testing.

Why Appium?

Reliable mobile coverage

Automate critical mobile journeys with Appium.

Stable suites

Apply waits, locators, and framework design that reduce flake.

Cross-platform skills

Handle Android/iOS patterns with shared practices.

CI-ready execution

Integrate device runs into delivery pipelines.

What you'll be able to do

- ✓ Gain a comprehensive understanding of the Appium framework, its architecture, and its capabilities for mobile automation testing.
- ✓ Learn how to set up and configure the Appium environment.
- ✓ Master the skills required to write efficient and effective Appium test scripts using various programming languages.
- ✓ Learn how to automate various mobile app interactions, including tapping, swiping, scrolling, entering text, and validating app elements using Appium.
- ✓ Understand how to configure and automate tests on different mobile platforms, such as iOS and Android, ensuring compatibility and seamless execution across multiple devices.
- ✓ Learn techniques for locating and interacting with mobile app elements.
- ✓ Explore strategies for managing test data in mobile automation testing.

Who this is for

- Quality Assurance (QA) Engineers
- Test Automation Engineers
- Software Developers
- Mobile App Developers

Curriculum

01 Mobile Automation Foundations

- Apply mobile automation foundations using Appium in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
- Capture reusable patterns for team frameworks

02 Appium Architecture and Setup

- Apply appium architecture and setup using Appium in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
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03 Capabilities and Locators

- Apply capabilities and locators using Appium in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
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04 Native, Hybrid, and Web

- Apply native, hybrid, and web using Appium in practical test workflows
- Build and run hands-on exercises with realistic scenarios
- Validate results, logs, and failure signals
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05 Gestures

- Apply gestures using Appium in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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06 Data-Driven Tests

- Apply data-driven tests using Appium in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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07 Reporting and Parallel

- Apply reporting and parallel using Appium in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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08 CI Integration

- Apply ci integration using Appium in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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09 Real Devices and Cloud Farms

- Apply real devices and cloud farms using Appium in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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10 Framework Design

- Apply framework design using Appium in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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11 Debugging and Best Practices

- Apply debugging and best practices using Appium in practical test workflows
- Build and run hands-on exercises with realistic scenarios
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- Capture reusable patterns for team frameworks