Test Automation Boot Camp (ICP-ATA)

Code:	TABC
Length:	2 days
URL:	View Online

Achieve the promise of faster, more reliable delivery by automating your software tests. Learn universal techniques that adapt to your business, technology and team skill sets.

High performing organizations use automated testing to achieve greater productivity and reliability. Every change and new feature are instantly checked to see if it meets intended requirements and doesn't break the rest of your systems.

Today every software team faces the challenges of delivering more capabilities on faster timelines with greater reliability. In this test automation training course, you will learn how to improve your development throughout and reliability by replacing slow, boring, and error-prone manual testing with fast, repeatable automated tests. Organize your systems and processes to get the most out of automated testing. Improve system reliability by improving test coverage. Support deployments across many platforms with a single set of reusable tests.

Successfully completing this course makes attendees eligible for the ICAgile Certified Professional in Agile Test Automation (ICP-ATA) Certification.

Skills Gained

- Identify different requirement types
- Define different tests for different application types
- Review the various tools and methods available for test automation
- Write a test case as a Gherkin scenario
- Construct modeling and diagramming techniques
- Write the steps of an automated test
- Record and playback a test in Selenium WebDriven
- Partition a recorded test case into reusable modules
- Exploit automated testing for data-driven, multi-platform and cross-browser testing
- Use test automation for implementing continuous integration

Who Can Benefit

- Software Developers and Programmers
- Business Analysts
- Quality Assurance Professionals
- Software Testers
- Product Owners
- Project Managers

- IT Managers
- Software Engineers

Course Details

Part 1: Introducing Test Automation

- Watch an Automated Test
- Requirements
- Testing Types
- Application Types
- The Alphabet Soup of Tools and Methods

Part 2: Preparing for Test Automation

- Effective Partitioning Schemes
- Use Cases and Test Cases
- Behavior-Driven Languages
- Modeling and Diagramming Techniques
- Equivalence Partitioning and Boundary Value Analysis

Part 3: Recording Automated Tests

- Automated Test Steps
- Record and play back a single test

Part 4: Dissecting Automated Tests

- Recorded Test Steps
- UI Element Repositories

Part 5: Assembling Automated Tests from Modules

- Test Suites, Test Cases, and Modules
- Modular Test Development

Part 6: Coding Automated Tests

- Code always, Code sometimes, or Code never
- The Skills Pyramid
- Open-source and commercial tools

Part 7: Exploiting Automated Testing

- Test-driven development: test cases as specifications
- Data-driven tests
- Multi-platform and cross-browser testing

Part 8: Enabling Continuous Integration with Test Automation

- Regression test suites
- Development events trigger test runs
- Configure test subsets
- Report test results

Part 9: Course Summary

- Quiz: Testing facts and fallacies
- Exercise: Plan your own test automation strategy

Schedule (as of 3)

Date	Location	
May 20, 2024 – May 22, 2024	Virtual	Enroll
Jun 17, 2024 – Jun 19, 2024	Virtual	Enroll
Jul 10, 2024 – Jul 12, 2024	Virtual	Enroll
Aug 19, 2024 – Aug 21, 2024	Virtual	Enroll
Sep 18, 2024 – Sep 20, 2024	Virtual	Enroll
Oct 21, 2024 – Oct 23, 2024	Virtual	Enroll
Nov 6, 2024 – Nov 8, 2024	Virtual	Enroll
Dec 9, 2024 – Dec 11, 2024	Virtual	Enroll

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