

ITLEO

AQA Selenium course

Online

Beginner / Intermediate

24 lessons, 2 lessons per week

We study the following technologies:



Jenkins



Selenium



Rest



Git



Continuous Integration



Java



GitHub



Postman

More details about the course:

AQA Selenium is a practical course on classic web interface testing automation using Selenium WebDriver and Java. The course is suitable for those who already have experience in manual testing and want to move to automation. You will learn how to create UI autotests, develop a test framework structure, integrate the project with CI/CD and work with reports. The program is built on the principle of “from simple tests to a real framework” — with an emphasis on practice and current market tools.

Course program

Block 1: Java basics for testers

- Review of Java basics for AQA

- Variables, conditions, loops, methods
- Building projects via Maven
- Java project structure and working with IntelliJ IDEA
- Working with Git and GitHub
- Practice: creating a basic test project

Block 2: Selenium WebDriver — automation basics

- Introduction to Selenium: purpose, architecture, drivers
- ChromeDriver, WebDriver Manager
- Types of locators: ID, Name, XPath, CSS Selector
- Performing actions with elements (click, text entry, navigation)
- Waiting: Implicit, Explicit, FluentWait
- Practice: writing the first UI autotests

Block 3: TestNG and framework structure

- Introduction to TestNG: tests, groups, parameterization
- Annotations `@BeforeMethod`, `@AfterMethod`, `@DataProvider`
- Assertions and result checks
- Building a basic framework for autotests
- Using the Page Object Model (POM)
- Practical work: developing a test structure with POM

Block 4: Logging, reports and stability

- Logging in Java (Log4j, SLF4J)
- Generating reports via Allure Reports
- Parameterizing tests and working with configurations
- Screenshots when a test fails
- Mocking and stabilizing autotests
- Practical work: launching and analyzing reports

Block 5: Integration with CI and API testing

- Introduction to Jenkins: building and running tests with CI
- Connecting GitHub to Jenkins
- Configuring automatic test launch triggers
- API testing via Postman and RestAssured
- Integrating API + UI tests into a single framework

- Practical work: CI-running tests after a commit

Block 6: Final project

- Developing a full-fledged UI autotest framework
- Implementing Page Object, logging, Allure Reports
- Integration with Jenkins or other CI/CD system
- Testing forms, tables, authorization
- Uploading the project to GitHub
- Defending the project in front of the teacher

Who is this course suitable for?

- **Manual QA** looking to move into automation
- **Junior Java QA** looking to strengthen their Selenium skills
- Those looking to create their own UI autotests
- Those preparing for **Automation QA** interviews

What will be the outcome?

- Complete UI Autotest Framework in Java + Selenium
- Understanding Page Object Model, TestNG, Maven
- Integration with CI/CD and Allure Reports
- Experience with GitHub, Postman and Jenkins
- Project for portfolio and interview demonstration

Career prospects

After the course, you will be able to apply for the position:

- **Junior Automation QA Engineer (Java)**

Average salary in Ukraine: \$700 – \$1800

Graduates receive a practical portfolio framework, preparation for technical interviews, and assistance with internships from ITLEO ACADEMY.

Course bonuses

- Commercially experienced tutors at AQA

- Live feedback and homework breakdown
- Code review and verification
- CV and GitHub profile advice
- Post-course support and job placement assistance
- Access to student and alumni community

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