



Playwright



Gen-AI



WRITE TESTS
WITH PLAYWRIGHT



RUN & AUTOMATE
SCENARIOS



INTEGRATE
GEN-AI



GENERATE
INSIGHTS



BUILD
QUALITY APPS

PLAYWRIGHT AUTOMATION TESTING WITH Gen-AI

COURSE



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About QuickXpert Infotech

Empowering Careers Since 2014

QuickXpert Infotech is a leading IT training institute, helping students build successful careers through practical, job-oriented training. Since 2014, we have trained thousands of students and prepared them for real-world jobs with hands-on learning, live projects, AI-powered tools, internships, and placement support.

Whether you're a student, graduate, working professional, or career changer, our courses are designed to help you gain the skills companies are looking for.

Why Choose QuickXpert Infotech?

- 10+ Years of Excellence
- 100% Practical & Job-Oriented Training
- AI-Integrated Courses
- Classroom, Online & Hybrid Learning
- Live Projects & Internship Opportunities
- Industry Expert Trainers & Professional Guidance
- Resume Building & Interview Preparation

- 1000+ Hiring Companies Network
- Dedicated Team & Early Placement Initiation
- 100% Proven Placement Framework
- Industry-Recognized Certification
- Reasonable Fees
- Free Demo Session & more

Our Popular Courses

- Full Stack Development
- Data Science & Data Analytics
- Cyber Security
- Software Testing
- Cloud Computing
- Artificial Intelligence (AI)
- Digital Marketing
- Database Technologies
- & Many More In-Demand IT Courses

About Playwright Automation Testing With Gen-AI

Start Your Career as Playwright Automation Tester

Master **Playwright Automation Testing with Gen-AI** through practical, industry-focused training designed for modern software testing careers. Learn to build robust automated test scripts, execute cross-browser testing, manage test scenarios, and generate meaningful test reports using Playwright. Explore how **Gen-AI** can accelerate test-case generation, create automation scripts, optimize selectors, explain test results, and help identify and fix flaky tests. Gain hands-on experience with real-world automation workflows, AI-assisted testing techniques, and modern QA practices. This

course helps learners develop practical automation skills and become **job-ready for today's AI-powered software testing environment**, with a strong focus on hands-on projects and industry-relevant tools.

You'll Learn

- Playwright automation testing from fundamentals to advanced concepts
- Writing and executing automated test scripts with Playwright
- Cross-browser and end-to-end testing
- Test planning, test execution, and result analysis
- Creating reusable test frameworks and test cases
- Using Gen-AI to generate and optimize test scripts
- AI-assisted test-case generation and test-data creation
- Identifying and fixing flaky tests with AI assistance
- AI-powered test-result analysis and reporting
- Integrating Playwright with CI/CD tools such as Jenkins
- Working with modern QA tools and automation workflows
- Building real-world automation testing projects and becoming job-ready

Who Can Join?

- Students with prior knowledge or experience in Manual Testing

Career Opportunities

- Automation Test Engineer
- QA Automation Engineer
- Software Test Engineer
- Playwright Automation Tester
- SDET (Software Development Engineer in Test)
- QA Engineer – Automation
- Test Automation Developer

- Quality Assurance Engineer
- AI-Assisted Test Automation Engineer
- Performance & Automation Testing Professional
- & more

• Certifications & Recognitions •



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Learn from industry experts, work on live projects, earn a recognized certificate, and get placement assistance to kick-start your career.

Syllabus

Introduction to Automation Testing

- What is Automation Testing
- Manual Testing vs Automation Testing, Advantages etc.
- Types of Testing
 - Smoke Testing
 - Regression Testing
 - Sanity Testing
- Introduction to Playwright
- Why use Playwright over Selenium
- **Note** – Playwright can be learnt of Java & Typescript. Hence you need to first learn Typescript or Core Java before learning Playwright. Playwright with Typescript covered here. For Playwright with Java, only programming language will get changed, modules will remains same.

Node.js (as required)

- What is Node.js
- Installing Node.js
- NPM Basics
- Package.json

TypeScript

- Variables and Data Types

- Operators
- Conditions (if, else)
- Loops (for, while)
- Functions
- Arrays and Objects
- Classes and OOP Concepts
- Async and Await
- Exception Handling

Playwright Setup

- Install Visual Studio Code
- Install Node.js
- Install Playwright
- Create First Playwright Project
- Folder Structure
- Running First Test
- Playwright Config File

Playwright Basics

- Launch Browser
- Open URL
- Page Commands
- Browser Context
- Multiple Browsers
 - Chromium
 - Firefox
 - WebKit

Locators

- id
- class
- xpath
- CSS Selectors
- Built-in Locators
 - Text
 - Role
 - Label
 - Placeholder
 - TestId

UI Actions

- Click
- Double Click
- Right Click
- Type Text
- Clear Text
- Keyboard Actions
- Mouse Actions
- Drag and Drop
- Upload File

Handling Web Elements

- Textbox
- Radio Button

- Checkbox
- Dropdown
- Auto Suggestion
- Date Picker
- Web Tables

Waits in Playwright

- Auto Wait
- Explicit Wait
- Hard Wait
- Wait for Element
- Wait for Load State

Assertions

- What are Assertions
- Validation in Playwright
- Types of Assertions

Frames and Windows

- Handling Frames
- Nested Frames
- Multiple Tabs
- Multiple Windows
- Popup Handling

Alerts and Popups

- JavaScript Alerts
- Confirm Popup
- Prompt Popup
- Authentication Popup

API Testing in Playwright

- Introduction to API Testing
- GET Request
- POST Request
- PUT Request
- DELETE Request
- API Assertions

Hooks and Annotations

- beforeEach
- afterEach
- beforeAll
- afterAll
- Skip Test
- Only Test
- Tags

Test Organization

- Reusable Functions
- Page Object Model (POM)
- Utilities

- Data Driven Testing
- Parameterization

Playwright Advanced Concepts

- Parallel Execution
- Retry Failed Tests
- Screenshots
- Videos
- Trace Viewer
- Headless Execution
- Environment Variables

Playwright With Gen-AI

- Prompts
- Auto Script Generator
- Using Generated Code in Project

Reporting

- HTML Reports
- Allure Reports
- Custom Reports

CI/CD Integration

- Jenkins Integration
- GitHub Actions
- Running Tests in Pipeline

Playwright Framework Design

- Hybrid Framework
- Data-Driven Framework
- Keyword-Driven Framework
- Folder Structure

Best Practices & Project

Duration

- 2 to 2.5 months

more info - <https://quickxpertinfotech.com/playwright-course>

Our Recruiters (1000+ Companies)



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Our 5 Steps Process for Success



Contact Us



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Website

<https://quickxpertinfotech.com>



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