CREDO SYSTEMZ
Simplifying IT

START YOUR
PLAYWRIGHT
CAREER TODAY!!

CREDO SYSTEMZ

**Playwright
with Java
Program**

Capstone Projects :

Real Time Playwright Training Projects

API + UI Integration Testing

Automate UI flows and validate backend API responses together to ensure end-to-end consistency.

E-Commerce Website Test Suite

Automate end-to-end testing of an online store: homepage load, banner, search, add-to-cart, and checkout.

News Scraper & Verifier

Automate news portal UI checks with Playwright: compare screenshots, validate headlines, timestamps, and navigation.

Login Authentication Test App

Test a web app login: valid/invalid attempts, forgot password, session expiry using data from .json/.env files.

Form Validation Automation

Test input fields, dropdowns, file uploads, and error messages in dynamic web forms.
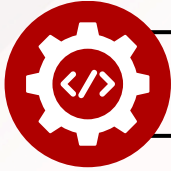
Dashboard and Reporting Validation

Verify charts, filters, and real-time updates on business dashboards with Playwright scripts.

Playwright
Opportunities & Demand

- Automation Test Engineer
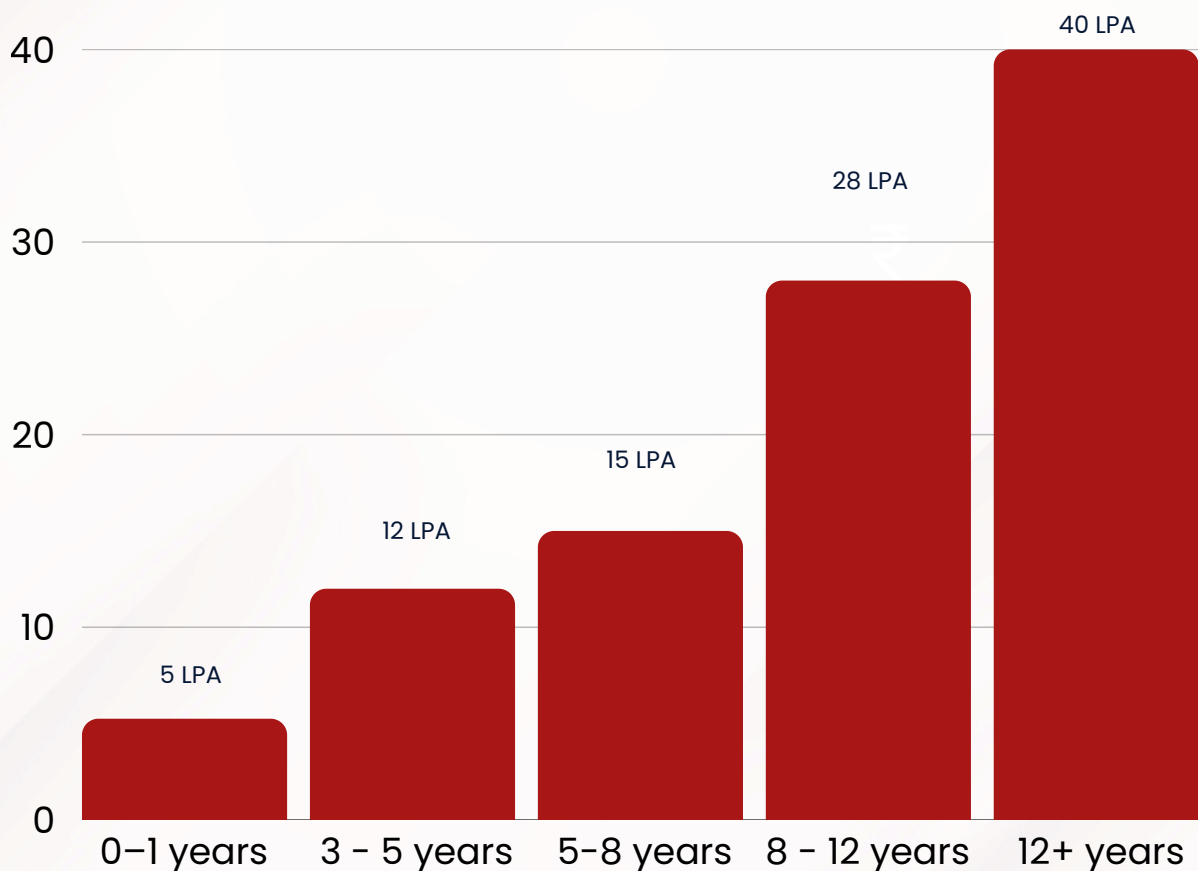- Test Automation Architect
- DevOps & Test Automation Engineer
- Performance Tester
- Software Engineer
- CI/CD Test Engineer

Experience	Salary
0–1 years	5 LPA
3 - 5 years	12 LPA
5-8 years	15 LPA
8 - 12 years	28 LPA
12+ years	40 LPA

PLAYWRIGHT COURSE SYLLABUS

PLAYWRIGHT WITH JAVA

Duration : 40 hrs

SECTION 1: INTRODUCTION

- What is an API with an Example's
- Usage of API
- Why API is growing in demand (API Base APP + Faster + Easier to Isolate + Less
- Failure)
- API vs Web Service vs Microservice
- SOAP(1998) vs REST(2000) vs GraphQL -- Architecture design
- To see the API call use the Developer tool + Network tab or Postman
- Interceptor

SECTION 2: TOOLS AVAILABLE FOR EACH ARCHITECTURE

- Swagger (Design and Documentation)
- Postman (Design,Develop,Manual Test,Automation,CI/CD) - Java Script
- SOAP UI - SOAP + REST - Groovy
- Karate - BDD
- TOSCA - Codeless automation
- REST Assured Framework using Java

SECTION 3 : REST TERMINOLOGIES

- Consumer vs Provider
- HTTP Methods (CRUD) POST - Create + GET - Read+ PUT + PATCH + DELETE)
- Authentication - No Auth Ex : Weather,Map + Basic Ex : Gmail + oAuth 2 (Open Source Auth) Ex : Payment Gateway(Expiry) + Token Ex
- HTTP Header (Content Type - Req Data,Accept - Res Data,Cookies - session,Host - req server and port details)

Real Time Practicals

- Java logical programs from interview point view
- Interview questions discussions

SECTION 4 : I/O STREAMS

- I/O using Java
- Files (Create/Read/Write operations on files)

Real Time Practicals

- Reading values from the File and perform java logical programs.

SECTION 5 : INTRODUCTION TO PLAYWRIGHT

- What is Playwright?
- Playwright Vs Selenium
- Advantages of Playwright
- Architecture of Playwright

SECTION 6 : GETTING START WITH PLAYWRIGHT

- Maven Setup
- Adding Playwright Dependencies

SECTION 7 : INTERACTING WITH BROWSER

- Launching Chrome, Edge, Firefox and Webkit.
- Performing Browser Actions like Maximize and Handling Cookies.
- Interacting with CDP.

SECTION 8 : LOCATORS IN PLAYWRIGHT

- CSS
- XPath

Real Time Practicals

- Interview questions discussion

SECTION 9 : EXPLORING WEB ELEMENTS

- Edit box
- ink
- Button
- Checkbox
- Radio Button
- Drop Down Box
- Select value
- Display all values
- Select values step by step
- Capture screenshots
- Synchronization Commands in Playwright
- HandlingWebTables

Real Time Practicals

- Performing end to end scenarios in Ecommerce application
- Performing end to end scenarios in user registration application
- Handling web tables in the live score card
- Performing Functionality test in the banking application

SECTION 11 : Handling complex User Gestures

- Handling Mouseover Menu
- Handling Slider
- Handling Drag and Drop
- Handling Shadow DOM
- Handling Keyboard Event

SECTION 12 : Capturing Screenshot, Videos and Trace viewer

- Capturing Screenshot
- Capturing Videos
- Capturing Trace Viewer

SECTION 13 : DATA DRIVEN FRAMEWORK

- Interacting with Database
- Interacting with Property File
- Interacting with XML
- Interacting with Excel

Real Time Practicals

- Retrieving values from the property file and perform end to end scenarios in live projects.
- Reading and writing values from the excel file and perform end to end scenarios in live projects.

SECTION 14 : TESTNG FRAMEWORK

- How to Install TestNG plug-in in Eclipse?
- TestNG Annotations
- TestNG sample script
- Selenium testing script from scratch
- Creating Test suites using TestNG
- Reports generation using TestNG
- Parameterized test cases using TestNG framework
- Preparing TestNG Parallel Suite
- Running test multiple times, depends on Methods, Grouping
- TestNG Listener Sample Program

Real Time Practicals

- Implementing the live project using TestNG

SECTION 15 : CUCUMBER FRAMEWORK

- Test Driven Development (TDD)
- Cucumber & Behavior Driven Development
- Gherkin – Business Driven Development
- Cucumber BBD for Testing
- Install Cucumber Eclipse Plugin
- Download Cucumber for Eclipse

- Download Webdriver Java client
- Configure Eclipse with Cucumber
- Cucumber Selenium Java Test
- Feature File
- JUnit Test Runner Class
- Gherkin Keywords
- Step Definition
- Cucumber Options
- Parameterization in Cucumber
- Data Driven Testing Using Examples Keyword
- Data Tables in Cucumber
- Maps in Data Tables
- Tags
- Hooks
- Tagged Hooks
- Execution Order of Hooks
- Background Keyword

Real Time Practicals

- Implementing the live project using TestNG

SECTION 16: PAGE OBJECT MODEL DESIGN PATTERN

- Why Page Object Model & When it will be effective
- POM Design Rules
- POM Implementation of Rules
- Implementation of testcases using POM framework

SECTION 17: REPORTING

- Methods in Extent Report
- Extent Report Implementation

Real Time Practicals

- Generating the live report which include failure screenshots

SECTION 18: BUILD TOOLS

- Maven Features
- Maven Build Process and Dependencies
- Maven Automation Project Build
- Best Practices

SECTION 19: CI TOOLS

- Install Jenkins
- Setup Maven Project in Jenkins
- Schedule the build
- Best Practices

SKILLS AND TOOLS

Skills Covered

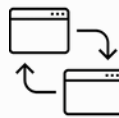| Test Writing	Locators	Debugging	API Mocking	Data-Driven

Headless Mode	Cross-Browser	Alerts

Tools Covered

JUnit	Playwright Java	TestNG	Maven	Gradle	Java

Allure Report	Extent Reports	GitHub Actions	Jenkins	IntelliJ IDEA

PLACEMENT SUCCESS STORIES

	Designation	Company	Package
Yuvaraj	**Automation Test Engineer**	ECS Cloud Infotech	**9.5 LPA**
Subbiah M	**QA Automation Engineer**	IRIS	**8.5 LPA**
Srivarshini	**Software Tester**	COLAN INFOTECH	**6.8 LPA**
Subritha	**Automation Test Engineer**	ALTOS Technologies	**8.6 LPA**
Gokulnath	**Automation Tester**	Shellinfo Global	**7.0 LPA**
Naveen Prabhu	**QA Automation Engineer**	Ascent24	**11.2 LPA**

OUR HIRING PARTNERS

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Credo Systemz's certificate is highly recognized by 30K Global companies around the world.

CREDO SYSTEMZ
Simplifying IT

CERTIFICATE
OF EXCELLENCE

THIS IS TO CERTIFY THAT

INIYAN. R

CANDIDATE ID : C8PRM0551

has successfully completed

PLAYWRIGHT

Course Conducted During February 2025 to April 2025

Date: 15-05-2025

Authorised Signatory

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WHAT OUR TRAINEE SAYS?

Santhosh
4.7 ★★★★☆

Credo Systemz provided a great learning experience. The Playwright course was detailed, with real-world examples and hands-on projects. The trainer's support made learning smooth and effective. Very useful for professionals.

Fathima Banu
4.2 ★★★★☆

Excellent Playwright with java training at Credo Systemz. The trainer explained every topic step by step, with coding practice. Assignments made concepts clear. I now feel confident applying automation testing at work.

Prakash Jain
5.0 ★★★★★

Great experience at Credo Systemz! The Playwright course was industry-focused, with hands-on coding and project practice. Daily assignments helped me master concepts quickly. Very good institute for learning automation testing.

Saindhavi
4.9 ★★★★☆

I learned Playwright with Java at Credo Systemz. The trainer was supportive, cleared doubts patiently, and encouraged practice. The course was well-structured and practical, helping me gain strong automation testing skills.

Jesuraj. F
4.0 ★★★★

Credo Systemz provided excellent Playwright with JavaScript training. Practical sessions, clear explanations, and useful examples made learning automation much easier.

Anjali Ravi
4.5 ★★★★☆

Very satisfied with the Playwright with JavaScript training. The trainer explained topics clearly, with live coding examples. Daily tasks made learning easier. Credo Systemz is highly recommended for automation learners.

CHENNAI

VELACHERY

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