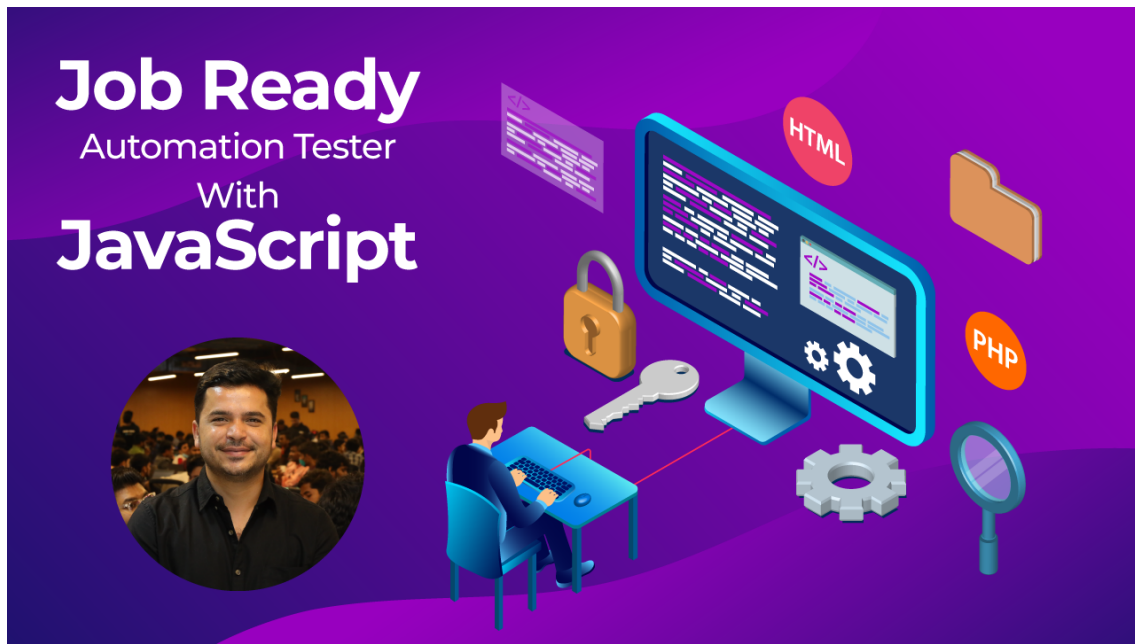


Welcome to ineuron.ai



Job Ready Automation Tester with JavaScript Tech Neuron

Description:

In this live training program, you will be learning everything about Automation using different tools and libraries. We will be starting with JavaScript from the scratch (from zero) and will be automating Web Applications and API's as well. This course includes most of leading tools and framework like Cypress, Playwright, WebDriverIO with different libraries and integration with Chai, Mocha, JEST, Git, Github, Github Actions, Docker and Jenkins (CI-CD). After this course you will be ready to attend interviews and will be able to automate different Web Applications.

Start Date:

Doubt Clear Time:

Course Time:

Features:

Course material

- # Course resources
- # On demand recorded videos
- # Practical exercises
- # Quizzes
- # Assignments
- # Course completion certificate

What we learn:

- # What are JavaScript engines
- # What is Automation
- # What is Automation Testing
- # Cypress Architecture
- # Selenium vs Cypress - Comparison
- # What is API and why API testing is important
- # REST vs SOAP
- # Playwright Explorer
- # Assertion in details with page and element
- # Async vs Sync
- # Locators In WDIO
- # Xpath in detail

Requirements:

- # System with Internet Connection
- # Interest to learn
- # Dedication

Instructor:

Name:

Mukesh Otwani

Description:

Myself Mukesh Otwani having 10 years of experience in Automation Testing and worked with Dell International and SAP Labs India. I am also passionate teacher, mentor, have been into teaching for 8 years now and running a YouTube channel with 137000 subscribers and 480+ videos on different tools and libraries.

>JavaScript:

- >>What are JavaScript engines
- >>What ES version of JavaScript is good for us
- >>Variable and datatypes in JavaScript
- >>Operators in JavaScript
- >>Type and Operator precedence in JavaScript
- >>What are conditionals in JavaScript
- >>Ternary operator in JavaScript
- >>Switch in JavaScript
- >>Coercion and falsy values in JavaScript
- >>Basics of functions in JavaScript
- >>Functions in variable User Role in JavaScript
- >>Understand the context in JavaScript
- >>Hoisting in JavaScript

- >>THIS in JavaScript
- >>Introduction to Array in JavaScript
- >>Callback and arrow function introduction in array
- >>Fill and Filter in Array in JavaScript
- >>Slice in JavaScript
- >>Objects in JavaScript
- >>Methods and objects in JavaScript
- >>For loop basics in JavaScript
- >>While and do while loops in JavaScript
- >>For Each loop in JavaScript
- >>For in and for of loop in JavaScript
- >>Template literals in JavaScript
- >>Maps in JavaScript
- >>Classes and module exports in JavaScript
- >>Private props getters and setters in JavaScript
- >>Inheritance in JavaScript
- >>Promise async and await in JavaScript

>Automation Foundation:

- >>What is Automation
- >>What is Automation Testing
- >>Advantages of Automation Testing
- >>When to start and when to stop Automation
- >>What not to automate and why

- >>Type Of Automation
- >>Tools for Automation Testing
- >>Which tool to select for Automation
- >>POC before selecting any Automation Tools
- >>Automation Mindset
- >>How to switch from Manual to Automation

>Cypress:

- >>What is Cypress - Advantage and Limitations
- >>Cypress Architecture
- >>Selenium vs Cypress - Comparison
- >>Downloading and Installing Cypress
- >>Quick tour of Cypress Test Runner and configuration files
- >>What is Testing Framework In JavaScript and why do we need Testing Framework
- >>Testing Frameworks - Mocha, Jasmine, Jest, Karma
- >>What is Mocha and features of Mocha Framework
- >>Mocha Structure
- >>Writing test suites using mocha framework using Describe and Context
- >>Exclusive test in mocha using .only .skip
- >>Hooks In Mocha before, beforeEach, after, afterEach
- >>What is Chai (Assertion Library)
- >>Mocha with Chai
- >>Chai assertions using Should
- >>Chai assertions using Expect

- >>Chai assertions using Assert
- >>Write your first Cypress Test - Electron
- >>Difference between Cypress and cy
- >>Executing Cypress Test On Chrome
- >>Executing Cypress Test On Firefox
- >>Executing Cypress Test On Edge
- >>Logs In Cypress
- >>ViewPort In Cypress
- >>Browser Navigation Commands In Cypress - Back, Forward, Reload
- >>Cypress Default Assertions for each command
- >>How to verify urls, title In Cypress
- >>Cypress Inspector to locate element
- >>How to use SelectorsHub with Cypress
- >>Locators In Cypress
- >>How to write Xpath - Static Xpath, Dynamic Xpath, Xpath Axes, Xpath tricks
- >>How to Write CSS Selectors in details
- >>Get method vs Find methods vs Contains methods
- >>Cypress defaults check before interacting with WebElements
- >>Type method in detail and assertions
- >>Type In Cypress with text content
- >>Type In Cypress with Keyboard Events
- >>Type In Cypress with force
- >>Type In Cypress with timeout
- >>Click in Cypress using locators

- >>Click in Cypress using cordinales
- >>Click in Cypress using positions
- >>Click multiple elements
- >>How to click when element is hidden or disabled
- >>Click In Cypress with timeouts
- >>Click with Key combination - Example - Control + Click, Shift + Click
- >>How to Interact with Textbox and assertion
- >>How to Interact with Buttons and assertions
- >>How to Interact with Checkbox, Radio Buttons and assertions
- >>How to work with disabled elements
- >>How to work with hidden elements
- >>Handling Single Select Dropdown and assertion
- >>Select values from dropdown using Index
- >>Select values from dropdown using value
- >>Select values from disabled dropdown
- >>Select values from hidden dropdown
- >>Deselection of dropdown
- >>How to Select values from Non Select Dropdowns- Bootstrap, AngularJS dropdown e
- >>Handle AutoSuggestions In Cypress
- >>Handle Calendar Control In Cypress
- >>How to capture and verify error messages in Cypress
- >>Wait in Cypress
- >>Pause in Cypress
- >>Debug in Cypress

- >>Difference between wait() vs pause() vs debug()
- >>How to handle multiple webelements - Arrays of WebElements
- >>Use of next(),last(),first(),eq()
- >>Keyboard Events In Cypress Example- enter, ESC, alt , delete etc
- >>Mouse Hover In Cypress using invoke
- >>Mouse Hover In Cypress using trigger
- >>Verifying values after mouse hover
- >>DoubleClick in Cypress using locators
- >>DoubleClick in Cypress using cordinates
- >>DoubleClick in Cypress using positions
- >>How to DoubleClick when element is hidden or disabled
- >>DoubleClick In Cypress with timeouts
- >>DoubleClick with Key combination - Example - Control + Click, Shift + Click
- >>RightClick in Cypress using locators
- >>RightClick in Cypress using cordinates
- >>RightClick in Cypress using positions
- >>How to RightClick when element is hidden or disabled
- >>RightClick In Cypress with timeouts
- >>RightClick with Key combination - Example - Control + Click, Shift + Click
- >>Drag and Drop In Cypress
- >>Handle Alert Box In Cypress
- >>Handle Prompt Box In Cypress
- >>Handle Confirmation Box In Cypress
- >>Handle Frames in Cypress

- >>Handle Child tabs in Cypress
- >>Handle Shadow DOM in Cypress
- >>How to handle file upload in Cypress
- >>How to handle file downloads in Cypress
- >>What is plugins in Cypress and List of plugin in Cypress
- >>How to use plugin in Cypress
- >>How to create custom commands in Cypress
- >>What is Cypress CLI
- >>How to execute single test from CLI
- >>How to execute multiple test from CLI
- >>How to change browser from CLI
- >>Generating HTML Reports Using Cypress
- >>Capture videos and screenshots In Cypress
- >>Running Test in headless mode
- >>Fixtures in Cypress
- >>Page Object Model In Cypress
- >>Framework Implementation
- >>Cypress Dashboard Service
- >>Cypress Parallel Test
- >>How to run Cypress Test on Cloud using BrowserStack
- >>Push your code from local to github
- >>Github pull request process
- >>Creating Branches and merge branches
- >>What is Jenkins

- >>Setting Up Jenkins with Email Configurations
- >>Running cypress test from Jenkins CI
- >>Creating Jenkins Pipelin for Cypress Test Execution
- >>What is Github Actions
- >>Executing Cypress Test using Github Actions

>API Automation Using

Cypress:

- >>What is API and why API testing is important
- >>REST vs SOAP
- >>Status Code
- >>API term and keyword before starting API Testing
- >>Write First API Test Using Cypress
- >>How to make Post API request
- >>How to make Put API request
- >>How to make Patch API request
- >>How to make Delete API request
- >>Difference between put and patch
- >>What is Swagger and how to use Swagger
- >>JSON Object
- >>JSON Array
- >>Nested JSON Object Nested JSON Array
- >>How to verify response
- >>Handle Authentication and Authorization In Cypress

>>Cypress Interview Questions

>>Cypress Cheatsheet

>>Soure Code

>>Automating multiple application

>Playwright:

>>What is Playwright and Features of playwright

>>Playwright Architecture

>>Selenium Vs Playwright

>>Cypress vs Playwright

>>Download NodeJ and Configure on windows

>>Download and Install Visual Code

>>Installation of Playwright

>>Understanding Playwright folder structure

>>Execute sample test from PlayWright

>>Execute sample test from PlayWright in headed mode

>>Understanding Configuration file

>>Execute test in specifice browser

>>Locators In Playwright

>>Text based search

>>Based on CSS

>>Find by test-id

>>Find multiple webelements

>>Filter locators

- >>Type into elements with text
- >>Type into elements with keyboard events
- >>Type into elements with delay
- >>Type into elements with force
- >>Click using locator
- >>Click using cordinates
- >>Click using positions
- >>Click with force
- >>Click with keyboard events
- >>Capture error message and assert in different ways
- >>Diffenece between textContent() and allTextContent()
- >>Why await does not apply to allTextContent()
- >>Check and Uncheck
- >>Disable WebElements
- >>Hidden WebElements
- >>Selecting values from dropdown using index
- >>Selecting values from dropdown using value
- >>Selecting values from dropdown using text
- >>Deselecting values from dropdown
- >>Debug from CLI
- >>Debug from code
- >>Playwright Inspector
- >>Step By Step Execute / Resume Execution
- >>Check logs for each activity

- >>Playwright Explorer
- >>Assertion in details with page and element
- >>Assertion for elements to be checked /unchecked
- >>Assertion for elements to be disabled / enabled
- >>Assertion for elements to be Editable
- >>Assertion for elements to be visible / invisible
- >>Assertion for text contains
- >>Assertion for class contains
- >>Assertion for attribute contains
- >>URL Assertions
- >>Title Assertions
- >>Negating Assertions
- >>Soft Assertions
- >>How to deal with multiple webelements
- >>How to handle calendar controls
- >>How to handle autosuggestions
- >>How to handle flacy test
- >>How to handle waits in Playwright
- >>What is AutoWaiting In Playwright
- >>Condition checked in AutoWait
- >>Why Playwright fails even after AutoWait
- >>Add waitFor condition
- >>Different waitFor conditions for pages and locators
- >>Modify existing wait timeout for expect and locators

- >>What is Promise in Playwright
- >>How to handle Promise.all
- >>Handle mutiple tabs in playwright
- >>How to handle frames in playwright
- >>Handle alert window in playwright
- >>pause method in playwright
- >>How to generate report in Playwright
- >>Attach screenshot in report for each step, on failure
- >>How to generate pdf in Playwright
- >>What is codegen
- >>How to record and play your test in codegen
- >>Analyse test recorded by codegen
- >>Execute auto generated scripts from codegen
- >>Drawbacks of auto generated scripts from codegen
- >>Mouse Hover events in Playwright
- >>Keyboard Events in Playwright
- >>Handle Drag and Drop In Playwright
- >>How to handle Shadow Dom
- >>How to change view port in Playwright
- >>How to emulate devices in Playwright
- >>How To Perform Visual Testing Using Playwright
- >>What is Playwright fixture
- >>Browser Fixture
- >>Page Fixture

- >>Context Fixture
- >>Request Fixture
- >>What is Playwright Annotations and how to use them
- >>test.skip()
- >>test.fail()
- >>test.slow()
- >>test.only()
- >>What is Trace Viewer In Playwright
- >>How To Generate trace for single test
- >>How To Generate trace for multiple test
- >>How To analyse trace debugging
- >>Different flags for tracing
- >>What is Cross Browser Testing
- >>How to perform cross browser test in Playwright -sequence
- >>How to perform cross browser test in Playwright in parallel
- >>Apply Retry options to execute test again
- >>What is Test Tagging and how to add tags to your test
- >>Group of Testcases
- >>What is design pattern
- >>What is POM - Page Object Model
- >>Implement POM in Playwrigthr
- >>Why not to provide static data in test script
- >>How to pass test data from json file
- >>Data Driven Test In Playweight

- >>What is Git and Github
- >>Push your code from local to github
- >>Github pull request process
- >>Creating Branches and merge branches
- >>What is Jenkins
- >>Setting Up Jenkins with Email Configurations
- >>Running Playwright test from Jenkins CI
- >>Creating Jenkins Pipelin for Playwright Test Execution
- >>What is Github Actions
- >>Executing Playwright Test using Github Actions
- >>Playwright Interview Questions
- >>Playwright Cheatsheet
- >>Soure Code
- >>Automating multiple application

>WebdriverIO:

- >>What is WebDriverIO - WDIO
- >>Why WebdriverIO
- >>Selenium vs WDIO
- >>Cypress vs WDIO
- >>Playwright vs WDIO
- >>Components of WDIO
- >>Service offered by WDIO
- >>Download NodeJ and Configure on windows

- >>Download and Install Visual Code
- >>Install WDIO
- >>Folder Structur
- >>Configuration file
- >>What is WDIO test runner
- >>Execute the sample test
- >>Reports in WDIO - Different Reporters
- >>Different CLI commands
- >>Write first WDIO script in Chrome
- >>Write first WDIO script in Firefox
- >>Write first WDIO script in Edge Browser
- >>Verify URL and title
- >>Async vs Sync
- >>Locators In WDIO
- >>Xpath in detail
- >>CSS in detail
- >>What is \$ and \$\$ and when to use and differences
- >>How to intereact with Webelements
- >>Handle textbox
- >>Handle Button
- >>Handle Links
- >>Handle radio button and chekboxes
- >>Handle Dropdown
- >>How to handle non select dropdown

- >>Handle autosuggestion
- >>Handle Calendar
- >>Verify element states
- >>REPL Interface
- >>Handle Shadow DOM
- >>RightClick
- >>Double Click
- >>MouseHover
- >>ScrollIntoView
- >>Drag and Drop
- >>Default matcher
- >>Page Matcher
- >>Element Matchers
- >>waitFor Conditions in WDIO
- >>waitUntil
- >>waitForEnabled
- >>waitForDisplayed
- >>How to handle frames
- >>How to handle alerts
- >>How to handle different tabs/windows
- >>How to include and exclude test in WDIO
- >>Capture Screenshots in WDIO
- >>Retry failed testcases in WDIO
- >>HTML Report in WDIO

- >>PDF In WDIO
- >>Allure Reports
- >>TestData In WDIO
- >>Passing different CLI flags from cmd
- >>Cross Browser Testing In WDIO
- >>Sequential Execution In WDIO
- >>Parallel Execution In WDIO
- >>Hooks In WDIO
 - >>before,beforeSuite,beforeHook, beforeTest,beforeCommands
 - >>after,afterSuite,afterHook,afterTest,afterCommand
- >>What is design pattern
- >>What is POM - Page Object Model
- >>Adding Custom Commands
- >>Implement POM in WDIO
- >>Why not to provide static data in test script
- >>How to pass test data in WDIO
- >>What is Git and Github
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