

Using AI with Playwright

3 Online Sessions

Designed for existing users of Playwright, our course covers everything you need to know to about Generative A.I. and LLM tools in use with Playwright.

On the course, we focus on **Playwright Test**, Visual Studio Code and TypeScript, **Github Copilot**, **Microsoft Playwright MCP Server**, **A.I. Agents** and Google's **Antigravity**.

The course is online, live, instructor-led, and incorporates a comprehensive e-workbook for the course. In between each online session we give you practical exercises for you to have a go at. The sessions are recorded, so you can re-visit them later.

Course Objectives

- Understand the history and where we are currently with A.I. development. Look at their strengths, limitations, and risks
- Understand what tools are available and how they integrate into VS Code
- Look at which tools to use and when, such as Chat Bots, General Agents, Playwright Agents, Agentic IDEs
- In-depth understanding of the AI tools specific to Playwright Test Generation & Re-factoring

Course Pre-requisites

- Attended our Microsoft Playwright course [or](#),
- Already developing Playwright Tests

Key Points

AI Fundamentals & Evolution

- Overview of AI types: Traditional AI, Predictive AI, Conversational AI, and Generative AI.
- Explanation of LLMs as probabilistic next-token predictors
- Discussion of benefits & opportunities with AI

Copilot Introduction

- Context
- Standalone Copilot Apps
- Copilot in Edge Browser

Github Copilot in VS Code

- Copilot in VS Code setup
- Inline suggestions
- Smart Actions

VS Code Chat Interface

- Copilot Agents; Ask, Plan
- Agent Tooling & Commands

Playwright AI Tooling

- The MCP Server
- Test Seed
- Test Planner Agent
- Test Generator Agent
- Healer Agent and Test repair

Test Refactoring

- Test Refactoring with the Plan Agent

Custom Prompts

- Adding Agents
- Adding reusable Prompts
- Custom Instructions
- Skills

Test Data

- Test Data generation
- Test Data obfuscation
- AI threats

Prompting Tips

- Guidelines

Other Tools

- Other tools for Playwright
- Walkthrough of Google Antigravity

3

Sessions

This course teaches you how to use AI tools to accelerate your Playwright Test development

Recommended for anyone using Playwright