

AI for Software Testing

14 PMI PDUs | 14 IIBA CDUs

Format: Live Instructor-Led Online through Zoom

Duration: Three 4.5 hour sessions

Technology and Attendance Requirements:

Computer with a browser (Chrome or Edge - used to access Miro, a collaboration tool), Zoom, a microphone and speaker. For ICAgile certification, camera must be on at all times and you must be actively participating.

Are you looking to expand your skills in using Artificial Intelligence (AI) to transform your software testing practice and become a leader in leveraging emerging technologies?

The future of software testing lies at the intersection of human ingenuity and technological leverage. Our AI for Software Testing course is an immersive and interactive journey to prepare experienced software testing professionals for the AI-empowered future. Through hands-on exercises with leading AI agents and tools, gain first-hand experience generating key artefacts from system test plans through to individual test cases. Sure, AI can automate the boring and repetitive work of generating test cases, but it can do so much more. You will learn how to use AI to evaluate existing tests, structure systems for more effective testing, interpret results, and maintain traceability from requirements to tests. Whilst balancing AI's power to create testing artefacts with human judgment, you will discover how AI can help streamline the testing process through increased test automation.

Learning Outcomes:

During this course you will learn about:

- Developing test cases, executable automated test scripts and test suites with the assistance of AI
- Evaluating strengths and weaknesses of AI-created test artefacts
- Testing against specifications more thoroughly with AI augmentation
- Employing AI to design combinatorial and exploratory test sets
- Analysing test results and defect reports using AI.
- Developing test plans for non-functional requirements with AI
- Incorporating agile user stories into testing using AI
- Utilizing AI to amplify manual testing efforts