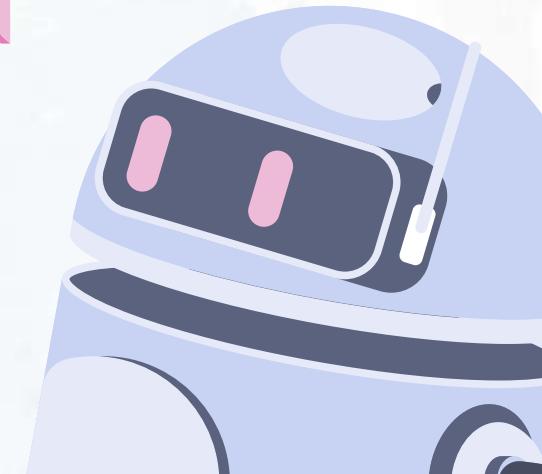


# AI-Driven Testing Revolution: First Steps Towards Building Autonomous Test Agents

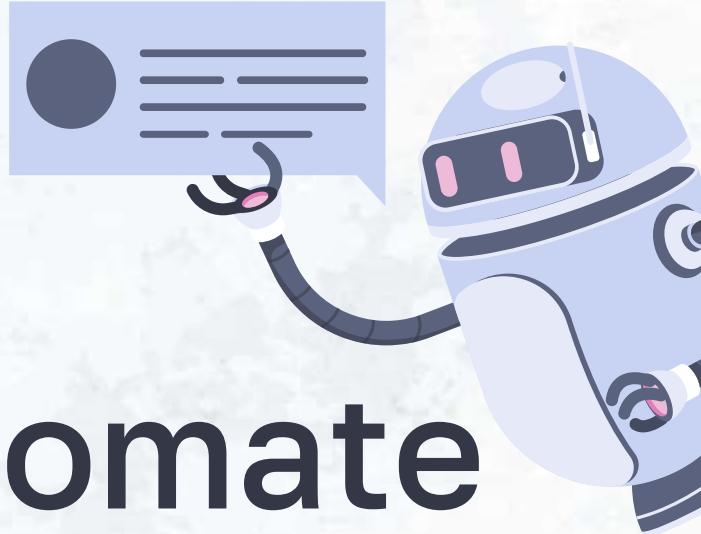


Majdi ZLITNI

AI Community Days Tunis  
08/11/2025



# What if an AI agent can automate the testing for us?

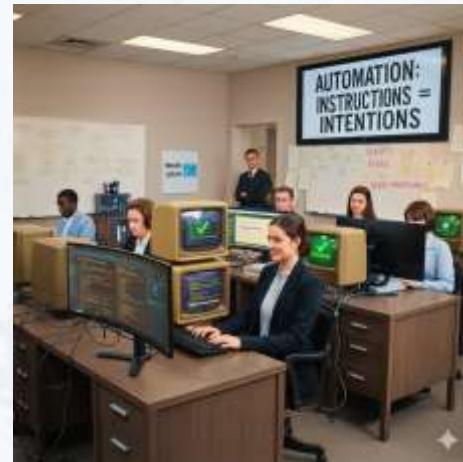


## Manual testing



The endless testing cycle

## Automation testing



The Script Maintenance Trap

## Agentic testing



Toward Intelligent Testing Era

A photograph of a young man with dark hair, a beard, and glasses, wearing a black hoodie. He is smiling and holding a small pineapple and a green packet in his hands. He is standing on a street with buildings and a car in the background.

# Majdi ZLITNI

- Software Consultant
- .NET & C# Specialist



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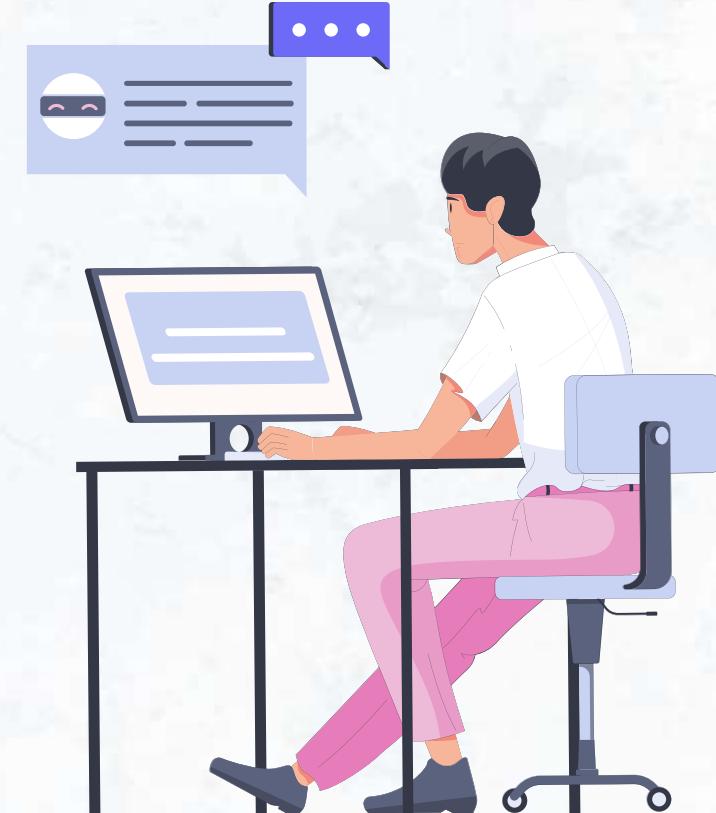
01 →

# The Building Blocks of an AI Agent

(AI)

# What's Inside an AI Agent?

- **LLM (Large Language Model)**
- **RAG (Retrieval-Augmented Generation)**
- **MCP (Model-Context-Protocol): The 'Hands'**



02 →

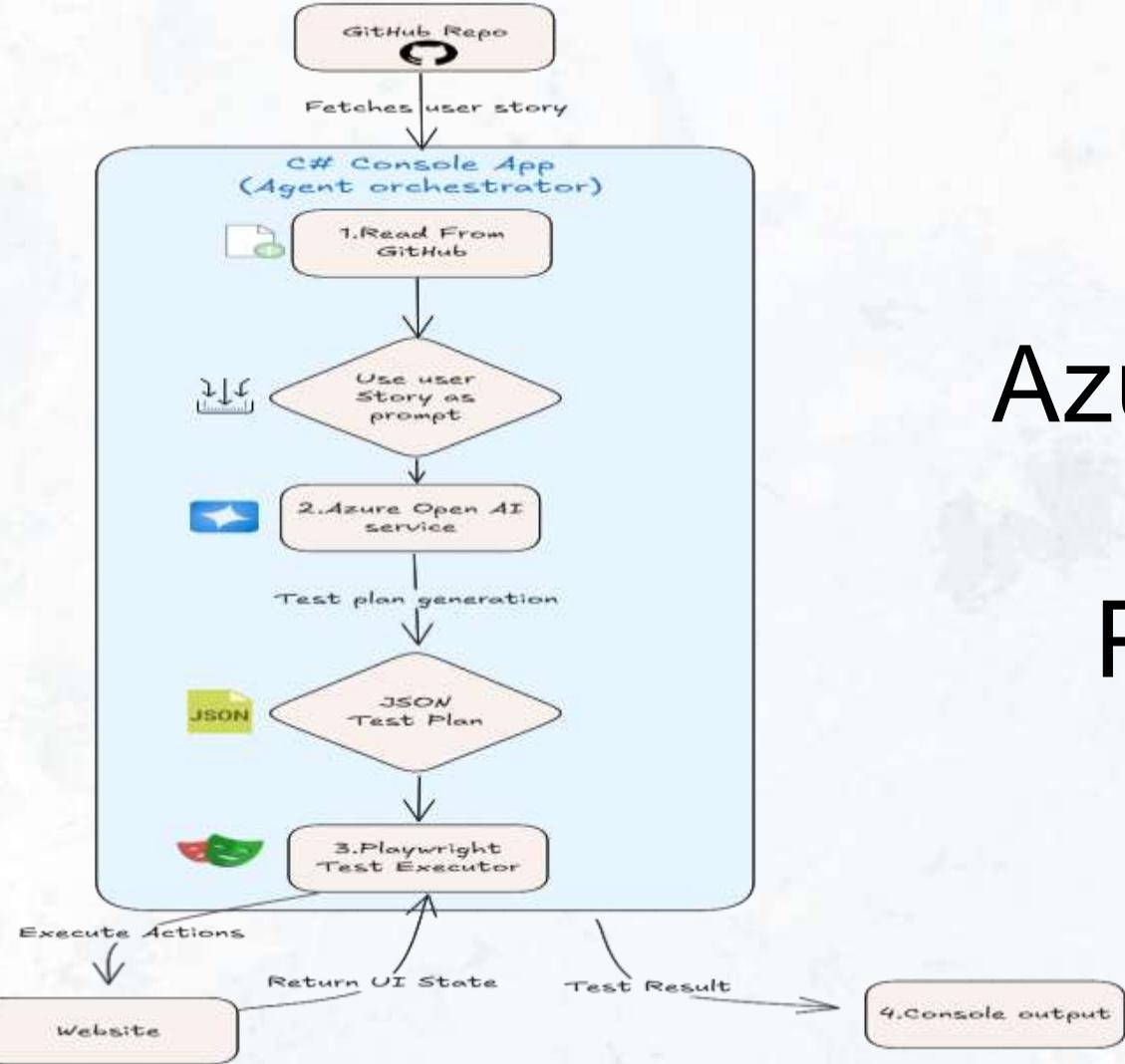
# **AI Testing Agent a high-level overview**

# GitHub

# Azure Open AI

# Playwright

# C#

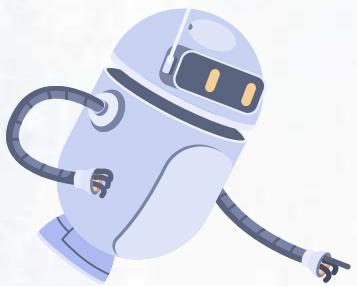


03 →

# Azure OpenAI

04 →

## Live Demo!



# Questions ?

