Understanding and Applying Agentic AI – 3 Day Workshop

Motivation

This comprehensive, multi-day technical workshop targets software engineers, architects, and technology decision-makers who want to move beyond isolated AI implementations to building sophisticated, interconnected agent systems.

By leveraging Azure AI Foundry and GitHub's integrated development platform, you will build modular AI agents that work together like real development teams. You will get hands on throughout every step of the way, from developing your first GenAI implementation to building integrated multi-agent solutions.

The main objective is to understand the strategic and practical applications of collaborative AI agent architectures and identify business use cases where they may be used to increase efficiency and generate significant business value.

What we bring

20 years of experience with software architecture and custom software development projects for many of the world's largest enterprises has generated the expertise needed for PRODYNA to help you design and develop agentic solutions in the Microsoft ecosystem. We are a Microsoft Solutions Partner for both Digital & App Innovation and Data & AI and are a member of the Cloud Native Computing Foundation (CNCF), an open-source organization which maintains many of the innovative data science frameworks and tools used in AI projects today.

With this offering we will assist you with:
- Understanding the capabilities of AI agents and patterns of multi-agent orchestration systems.
- Implementing practical agentic architectures using GitHub, Azure AI Foundry and Microsoft Semantic Kernel.
- Demonstrating how agentic AI can transform your workflows, from infrastructure provisioning to code deployment.
- Building modular, reusable agents that scale across enterprise environments.

What you need

All you need are team members interested in transforming your development processes with intelligent automation. This can include technical professionals who understand software development workflows and decision-makers who evaluate strategic AI initiatives. Participants from business units are welcome to understand the potential impact of agentic AI solutions. We recommend that participants have:

- Basic understanding of software development.
- Familiarity with the Python programming language and the Azure cloud.
- Experience with Git and GitHub workflows.
- 2 - 3 days of continuous time.

Benefits

- A comprehensive understanding of multi-agent architectures and implementations.
- Practical experience building AI agents using Microsoft and GitHub platforms.
- Patterns for common agent use cases in software development and beyond.
- Identification of steps in your business workflows where AI agents could generate significant business value for your organization.

Quick facts

- Duration: 2 - 3 days
- Up to 12 participants
- Technologies: Azure AI Foundry, Semantic Kernel, GitHub Models, GitHub Actions

What you get

PRODYNA will guide you and your employees through the following program:

DAY	AGENDA ITEMS
Day 1: Foundations & Introduction to Agentic AI	• Introduction from PRODYNA, setting the stage, expectations, and goals for the next days. • Overview of LLMs, GenAI and Agentic AI. • Hands-on: Using LLMs in Python. • Tool-use and knowledge in agents. • Introduction to the Azure AI Foundry platform. • Hands-on: Building your first agent in Python.
Day 2: Multi-Agent Orchestration & Agentic Collaboration	• Introduction to multi-agent orchestration patterns and frameworks. • Creating modular and scalable agentic solutions through MCP. • Hands-on: Building a multi-agent solution with Semantic Kernel. • Demonstration: Infrastructure as Prompts, using agent collaboration to create Azure infrastructure and persist the code on GitHub. • Hands-on: Building the Infrastructure as Prompts agent yourself.
Day 3: Scalable Agent Architectures & Workflow Integration	• Scalability in agentic implementations, making your agents reusable. • Using your agents for workflows in GitHub actions. • Hands-on: Building a collaborative multi-agent solution for development in GitHub. • Discussion: Integrating agentic solutions into your business processes.

Note: This is our standard agenda. We are happy to modify the agenda to suit your specific needs.

Get started

To learn about pricing and how to get started, please contact info@prodyna.com.

About PRODYNA

PRODYNA is an innovative IT consultancy specializing in creating custom software solutions and serving the needs of corporates and enterprises across the European continent. Please visit www.prodyna.com for more information.

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