

Unlocking Business Value with GitHub Copilot

This advanced programme is designed for engineering teams across the SDLC who are already using GitHub Copilot and want to unlock its full potential through Agent Mode, custom prompts, MCP integration, and measurable productivity gains.



Learning Outcomes

At the end of this programme, learners will be able to:

- Leverage GitHub Copilot Agent Mode and Plan Mode to autonomously scaffold, refactor, and deliver multi-file solutions with reduced manual intervention
- Design and maintain custom prompt libraries that encode team standards, architectural patterns, and organisational conventions for consistent, high-quality outputs
- Create and maintain custom instruction files that provide repository-level context, coding standards, and architectural guidance — ensuring Copilot's suggestions consistently align with your team's conventions and quality expectations
- Integrate external tools, APIs, and data sources into Copilot workflows using Model Context Protocol (MCP) to extend AI capabilities beyond the IDE
- Implement spec-driven development workflows where AI generates, validates, and iterates code against defined specifications, accelerating delivery while maintaining quality

Modules include:

Custom prompts & prompt libraries

How to build, manage, and share reusable prompt templates that enforce team standards and accelerate common workflows

Agent mode & plan mode in practice

How to use Copilot's autonomous and planning capabilities to tackle complex, multi-step engineering tasks

MCP integration for engineers

How to connect Copilot to external tools, APIs, and services using Model Context Protocol to extend AI-assisted development beyond the editor

Spec-driven development with AI

How to use specifications and acceptance criteria to drive AI-generated code, ensuring outputs align with requirements from the outset

RAG-enhanced development workflows

How to ground AI outputs in internal documentation, codebases, and knowledge bases using Retrieval-Augmented Generation patterns

Measuring developer productivity & impact

Equipping engineers with clear metrics to understand how AI is enhancing their workflow, output quality, and overall efficiency

Programme structure

Duration

- 4 Days

Cohort size

- Up to 25 Participants

In-person or virtual training sessions featuring:

- Demonstrations
- Guided hands-on activities
- Group challenges
- Peer teaching

Learning platform:

In-person or virtual with full lab environment provided

Hands-on labs:

Each module includes guided labs built around realistic engineering scenarios and enterprise codebases

Real-world use cases:

Participants work through challenges drawn from actual client engagements across financial services and technology organisations

Peer learning and showcase:

Participants collaborate in teams and present solutions, building shared knowledge and internal advocacy

Optional badging/accreditation:

Badging/Award on completion, either internal to the organisation or via a partner accreditation

Benefits for **Individuals**

Master advanced Copilot capabilities including Agent Mode, Plan Mode, and MCP integration to work faster and smarter

Build a personal library of custom prompts and reusable patterns that elevate day-to-day engineering output

Develop the skills to ground AI-generated code in real project context using RAG, reducing rework and improving accuracy

Gain confidence in articulating and evidencing AI-driven productivity improvements to leadership and stakeholders

Acquire cutting-edge, career-differentiating skills in AI-assisted software engineering practices

Benefits for **Organisations**

Accelerate software delivery cycles by equipping engineering teams with advanced AI capabilities that go beyond basic code completion

Standardise AI-assisted development practices through shared prompt libraries, coding conventions, and spec-driven workflows

Extend the value of existing tools and platforms by integrating them into Copilot workflows via MCP, maximising return on technology investment

Build on your existing developer productivity frameworks to establish clear, repeatable metrics for measuring AI tooling ROI

Build internal capability and advocacy that drives sustained AI adoption across engineering teams at scale

Interested in learning more?
Get in touch with a member of our team.

Contact Us

For all the latest on our AI learning solutions, visit our website.