GitHub Copilot for Developers Intermediate

3 hours / Instructor-Led / Format: On-Site or Virtual

Contact Us for Pricing

About this Course: GitHub Copilot is an AI-powered tool that assists developers in writing code. It analyzes the context in the file you are editing, as well as related files, and offers suggestions from within your text editor. GitHub Copilot also offers additional features such as Copilot Chat which can be used to ask and receive answers to coding-related questions.

In this <u>intermediate</u> course, GitHub's experts will equip your team with the knowledge of GitHub Copilot's core features, best practices, prompt engineering, secure coding, advanced use cases, feature roadmap, and frequently asked questions. This course is workshop-driven to ensure that participants get hands-on experience applying the different capabilities of GitHub Copilot.

Who Should Attend:
- Developers
- Team Leads
- Development Leaders
- Project Managers

Delivery Methods:
- Remote and/or In-person
- Maximum 20 students

Key Features & Benefits:
GitHub Copilot is an AI-powered tool that assists developers in writing code. Some of the reasons enterprises can start looking into adopting GitHub Copilot are:

- Increase efficiency: With the help of GitHub Copilot, developers can write code more quickly and efficiently.
- Improve code quality: GitHub Copilot can suggest code snippets and offer guidance on best practices.
- Reduce repetitive tasks: GitHub Copilot can help developers spend less time on creating boilerplate, freeing up time to work on more important tasks.

- Improve developer onboarding: GitHub Copilot can help developers quickly get up-to-speed on a new codebase

Course Outline:

This engagement will consist of one session covering the following topics:
- Copilot for Business introduction
- GitHub Copilot configuration
- Coding (e.g. unit tests, refactoring, and debugging)
- Best practices
- Prompt engineering
- GitHub Copilot APIs
- Secure coding (e.g. vulnerability detection and remediation)
- Hands-on workshops

Learning Outcomes/Business Outcomes:

After completing this training, developers will be able to:
- Integrate key features of GitHub Copilot in their daily work
- Write code faster and with less context switching
- Improve the developer experience and reduce context switching
- Focus more time on important tasks instead of boilerplate
- Onboard onto a new, unfamiliar codebase with less effort

Prerequisites:

- GitHub Enterprise Cloud Account
- GitHub Copilot for Business licenses
- A supported IDE (please see our public documentation for a full overview)
- GitHub Copilot extension installed on the IDE