



What GitHub Copilot means to developers



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개발자에게 GitHub Copilot이란?

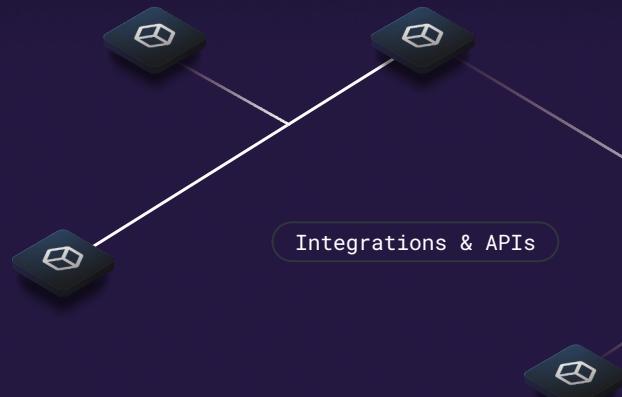


StackOverflow Driven Development

```
try {
    // DO SOMETHING
} catch (ex) {
    window.location.href =
        "https://stackoverflow.com/" +
        "search?q=[js]" +
        ex.message;
}
```



Platform



Powered by AI



Collaboration

Pull requests Projects Issues
Discussions Merge queue Search



Productivity

CI/CD with Actions Automation Copilot
Codespaces Runners Mobile



Security

Advanced Security Secret scanning Code scanning
Security overview Supply chain Dependabot



Scale

100M+ developers Source code management



The world's leading AI-powered developer platform

Over 1 in 3 Fortune 500 companies use Copilot
(<1 yr since launch)



30,000+ businesses building software with Copilot

```
def test_parse_expenses_with_empty_input(self):
    expenses_string = ''
    expected_output = []
    self.assertEqual(parse_expenses(expenses_string), expected_output)

def test_parse_expenses_with_comments(self):
    expenses_string = '# This is a comment\n2023-01-02'
    expected_output = [(datetime.datetime(2023, 1, 2),
    self.assertEqual(parse_expenses(expenses_string), expected_output))

if __name__ == '__main__':
    unittest.main()
```

Analyze and debug

Ask a question or type '/' for topics



개발자를 행복하게
만들어 드리고자
GitHub Copilot을
만들었습니다



75%



More fulfilled

How does AI-powered
mean in execution?



Ubiquitous

AI는
개발자들이 사용하는 모든 개발 도구에 적용되었고,
SDLC 전반의 모든 작업에 연관되어 있습니다.

어디서든 작성하는 코드에 대한 제안을 하고,
어디서든 읽는 코드에 대한 인사이트를 제공합니다.
이 모든 것이 아주 유용한 개발 경험을 제공합니다.

Conversational

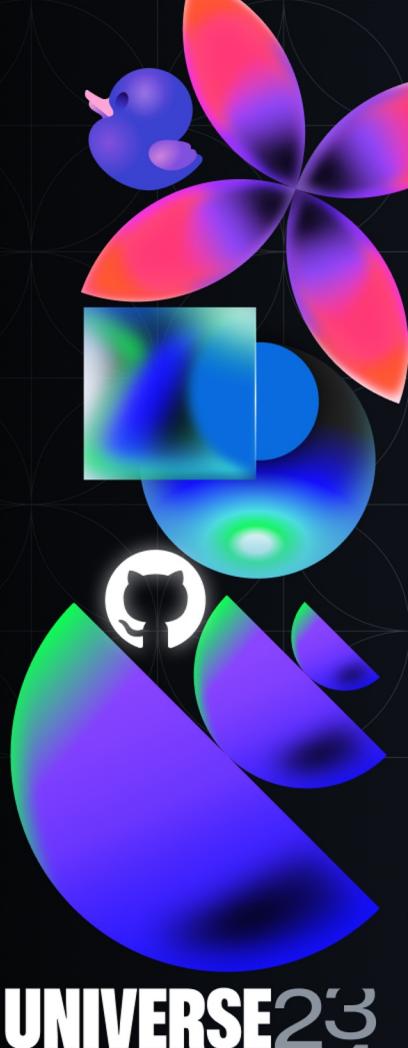
AI는 기본적으로 대화형입니다.
따라서 자연스러운 대화를 통해 무엇이든 할 수 있습니다.

비격식적이고 반복적인 인터페이스를 통해
개발자들이 좀 더 유연하고 창의적으로 접근할 수 있고,
더 많은 인사이트를 통해 반응합니다.

Personalized

AI는
개인, 프로젝트, 팀, 커뮤니티가 가진 맥락을
잘 이해하도록 설계되었습니다.

개발자들의 "보조 브레인"으로서
의도, 히스토리 등을 좀 더 잘 파악하고,
다양한 정보를 의미있는 코드 또는 문서 등으로 변환합니다.



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Trustworthy

AI는
안전하고 믿을 수 있으며 안정적입니다.

따라서 GitHub을 단지 기술 또는 제품으로
바라보는 것을 너머
Responsible AI를 제공하는 파트너이자
컨트리뷰터로서 고려합니다.



더욱 강력해진 Copilot Business

- Ubiquitous across IDE/ Editor (VS, VS Code, JetBrains) and now in GitHub Mobile and GitHub CLI
- Copilot Chat powered by GTP4
- Tuned for productivity with /slash commands and inline chat

Copilot Business

Copilot in the coding environment
for organizations

\$ 19 per user / month

- ✓ Code completions
- ✓ Chat in IDE and Mobile
- ✓ CLI assistance
- ✓ Security vulnerability filter
- ✓ Code referencing
- ✓ Public code filter
- ✓ IP indemnity
- ✓ Enterprise-grade security, safety, and privacy

Copilot Enterprise 소개합니다

- Expands Copilot's AI capabilities from the coding environment to the GitHub Platform.
- Uses the full context of an enterprise's codebase to personalize Copilot across the developer workflow.

Note: Not associated with a product release.

Copilot Enterprise

Available Feb 2024

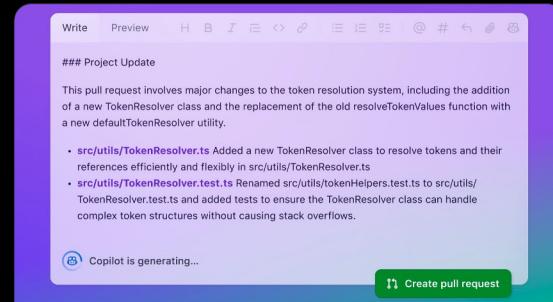
Copilot personalized for your organization throughout the software development lifecycle

\$ 39 per user / month

- ◀ Everything in Copilot Business, plus...
- ✓ Chat personalized to your codebase
- ✓ Documentation search and summaries
- ✓ Pull request summaries
- ✓ Code review skills
- ✓ Fine-tuned models

*Requires GitHub Enterprise Cloud

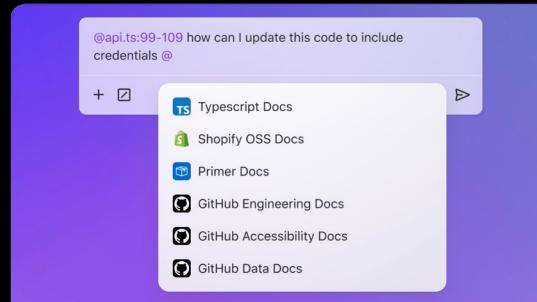
GitHub Copilot Enterprise “Core” Capabilities



Pull requests

Brings the power of Copilot to pull requests to improve collaborative development.

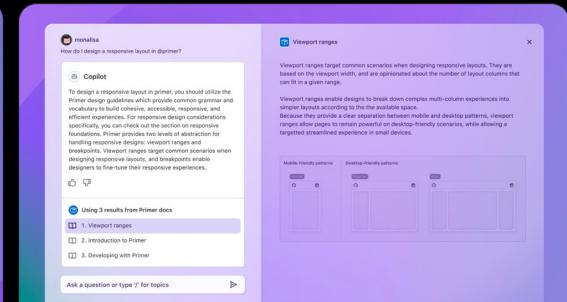
- Suggestions for PR descriptions
- Gistentest
- Ghost Text
- Resolving issues and review PRs with AI
- AI-powered PR completion, repair, review responses, and more



Documentation

Surfaces the most relevant content for questions with tailored summaries that help connect the dots.

- Public content
- Personalized results
- Private docs
- And more



Chat in github.com

Natively integrates chat experience into GitHub to provide context-aware AI assistance.

- Chat for general coding questions
- Chat support in codebases (Repos) with full semantic knowledge
- Chat support in Issues, Discussions, Projects, Actions, and many more

All of these capabilities only work inside the GitHub core platform

Expanding GitHub Copilot's AI capabilities from IDEs to the development platform

Copilot Business

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그런데 말입니다



“

GitHub Copilot을 한 달 무료 사용하고,
연장하지 않고 끊었습니다.

“

GitHub Copilot을 한 달 무료 사용하고,
연장하지 않고 끊었습니다. 자동완성을
바로바로 만들어 준다는 게 ChatGPT 대비
장점이었습니다.

“

GitHub Copilot을 한 달 무료 사용하고,
연장하지 않고 끊었습니다. 자동완성을
바로바로 만들어 준다는 게 ChatGPT 대비
장점이었습니다. 그러나 자동완성 도움은
사소한 경우가 많았고, 복잡한 코드는
ChatGPT에 대비해서 큰 이점이 없었습니다.

이렇게 사용하면
정말 돈 아깝습니다

GitHub Copilot Chat 기능을 꼭 사용하세요



주니어에겐
StackOverflow 대체

시니어에겐
짝코딩 파트너

Demo



aka.ms/mastering-github-copilot-for-paired-programming

The screenshot shows a GitHub repository page for the repository 'Mastering-GitHub-Copilot-for-Paired-Programming'. The repository has 27 watchers and 2 forks. It contains 1 branch and 0 tags. The main branch has 15 commits. The repository is public and was last updated 9 hours ago. The repository URL is <https://github.com/microsoft/Mastering-GitHub-Copilot-for-Paired-Programming>. The repository description is: 'A 6 Lesson course teaching everything you need to know about harnessing GitHub Copilot and an AI Paired Programming resource.' The repository includes files like README.md, .gitignore, CODE_OF_CONDUCT.md, CONTRIBUTING.md, and LICENSE.

Mastering-GitHub-Copilot-for-Paired-Programming (Public)

Unwatch 27 Fork 2

main 1 branch 0 tags

Go to file Add file <> Code

WirelessLife Update README.md 6e535c4 9 hours ago 15 commits

01-Introduction-to-GitHub Add files via upload 12 hours ago

02-Introduction-to-GitHub-Codes... Add files via upload 11 hours ago

03-Introduction-to-GitHub-Copilot Add files via upload 9 hours ago

04-Harnessing-GitHub-Copilot-wit... complete porting previous contents 19 hours ago

05-Harnessing-GitHub-Copilot-wit... complete porting previous contents 19 hours ago

06-Creating-Mini-Game-with-GitH... Update README.md 9 hours ago

.gitignore Initial commit 19 hours ago

CODE_OF_CONDUCT.md complete porting previous contents 19 hours ago

CONTRIBUTING.md Added contributing file 19 hours ago

LICENSE complete porting previous contents 19 hours ago

About

A 6 Lesson course teaching everything you need to know about harnessing GitHub Copilot and an AI Paired Programming resource.

Readme MIT license Code of conduct Security policy Activity 2 stars 27 watching 2 forks Report repository

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GitHub Copilot 워크샵

The screenshot shows a Microsoft Edge browser window with a dark theme. The address bar displays 'Microsoft'. The main content area features a title '대면 .NET Aspire를 이용한 지능형 Cloud-Native 앱 만들기' (In-person .NET Aspire Utilizing Intelligent Cloud-Native App Development) and event details: '시간: 2023년 12월 08일 금요일 오후 1:00~5:00 (GMT+09:00)' and '장소: Seoul, Seoul, Korea'. To the right of the text is a large QR code containing the Microsoft logo.

지금 등록하기

12월 7일에 진행된 Microsoft X GitHub Universe Recap Seoul 2023 행사 이후에 더욱 Deep-Dive한 세션을 원하시는 분들께 소개드립니다.

12월 8일 한국마이크로소프트 13층에서 오후 1시부터 5시까지 ".NET Aspire를 이용한 지능형 Cloud-Native 앱 만들" 핸즈온 워크샵이 진행됩니다.

Cloud-Native 애플리케이션을 개발하다보면 회복탄력성, 관측가능성, 상호운용성, 컨테이너 등 너무나 많은 것들을 고려해야 합니다.

.NET Aspire는 이런 고민을 손쉽게 해결해 줄 수 있으며, 여기에 Azure OpenAI를 더

이름 *

성 *

이메일 주소 *

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A large white GitHub logo featuring a black octocat silhouette is positioned on the left side of the image. Behind it are several overlapping, semi-transparent circles in various colors: red, blue, green, and purple.

Thank you.