UNIVERSE23 RECAP

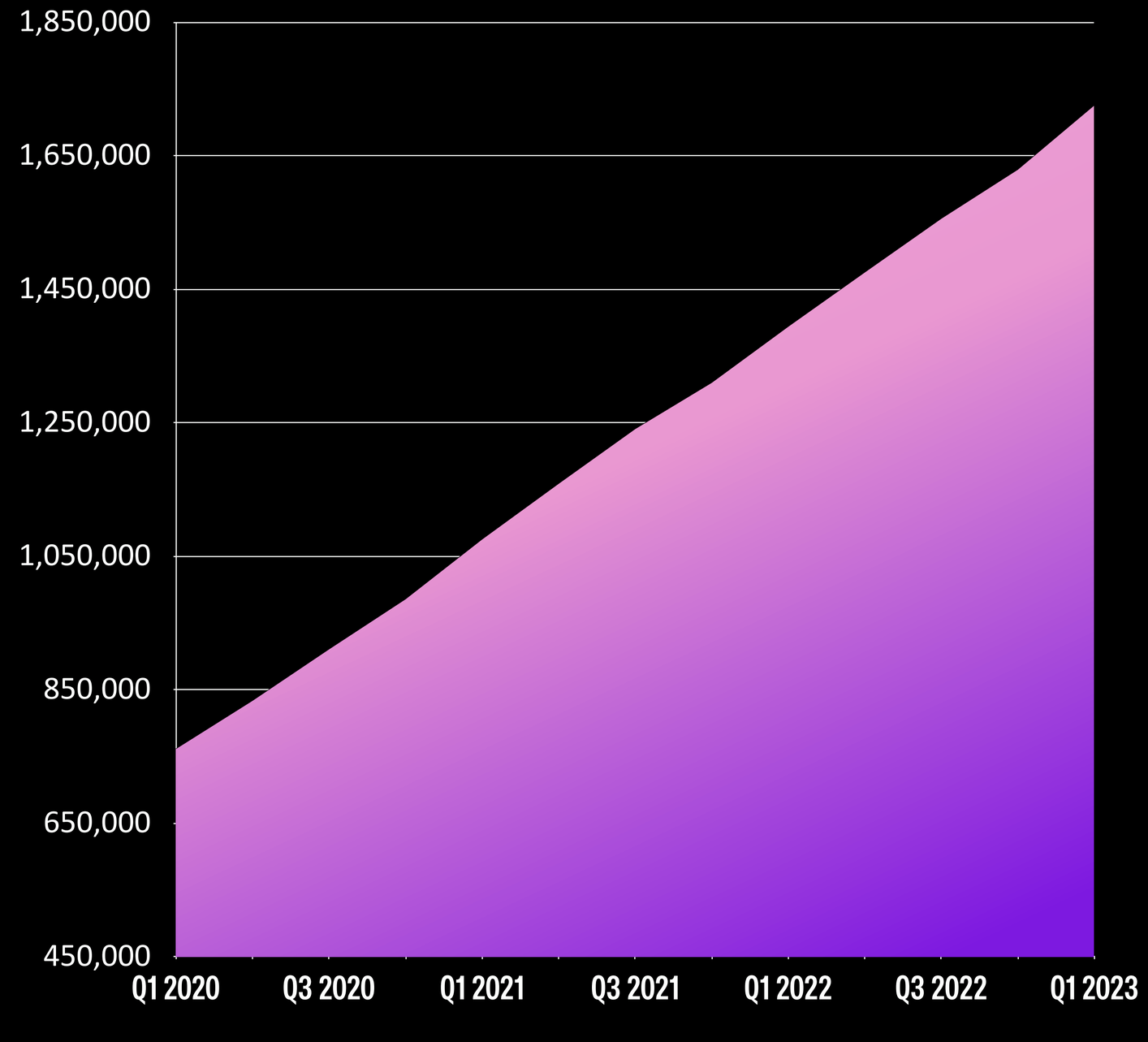
서울



UNIVERSE23

GitHub Keynote and Product update

1.7 Million Korean Developers on GitHub



Home for Developers

GitHub

AI-powered developer platform



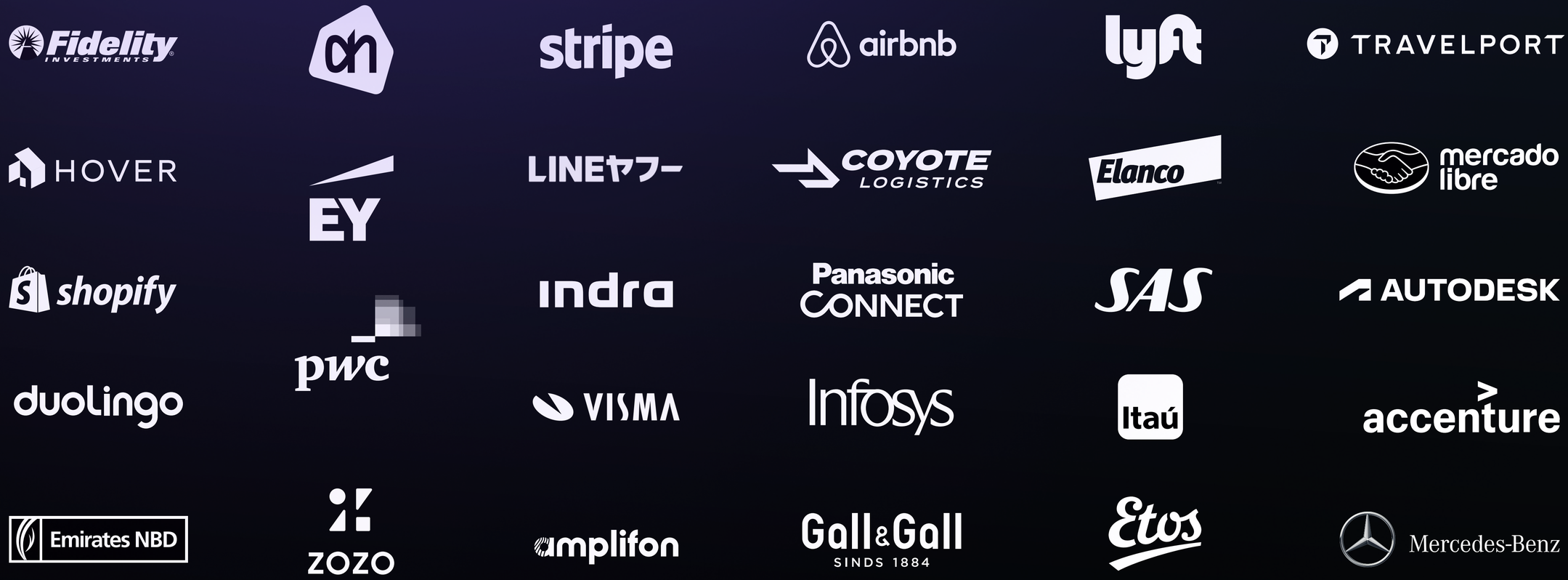
GitHub Copilot

Most widely adopted AI developer tool

1M paid users

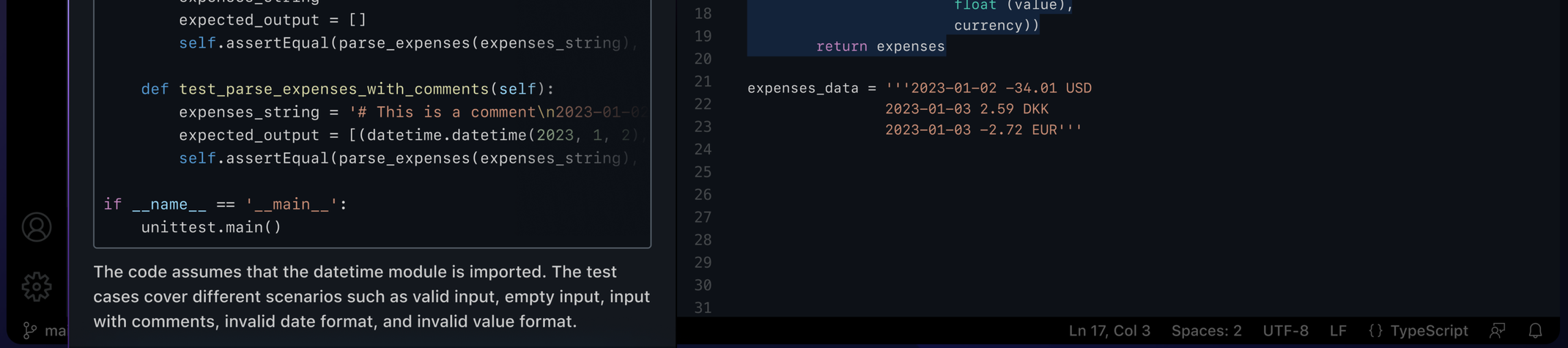
190 countries

55% faster


Fidelity INVESTMENTS
stripe
airbnb
lyft
TRAVELPORT
HOVER
EY
LINEヤフー
COYOTE LOGISTICS
Elanco
mercado libre
shopify
indra
Panasonic CONNECT
SAS
AUTODESK
pwc
duolingo
VISMA
Infosys
Itaú
accenture
Emirates NBD
ZOZO
amplifon
Gall&Gall SINDS 1884
Etos
Mercedes-Benz

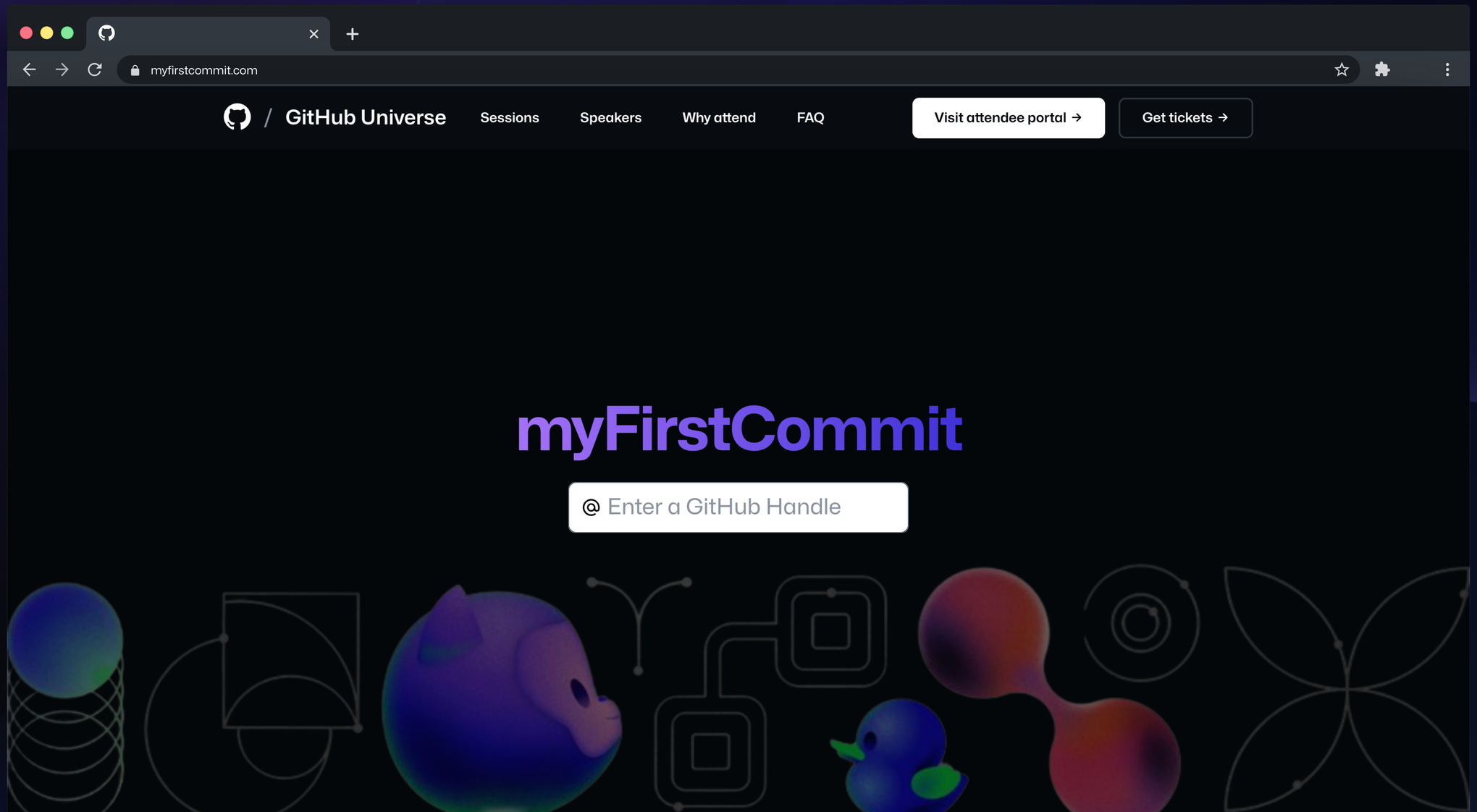
37,000+

Organizations using GitHub Copilot



GitHub Copilot Chat

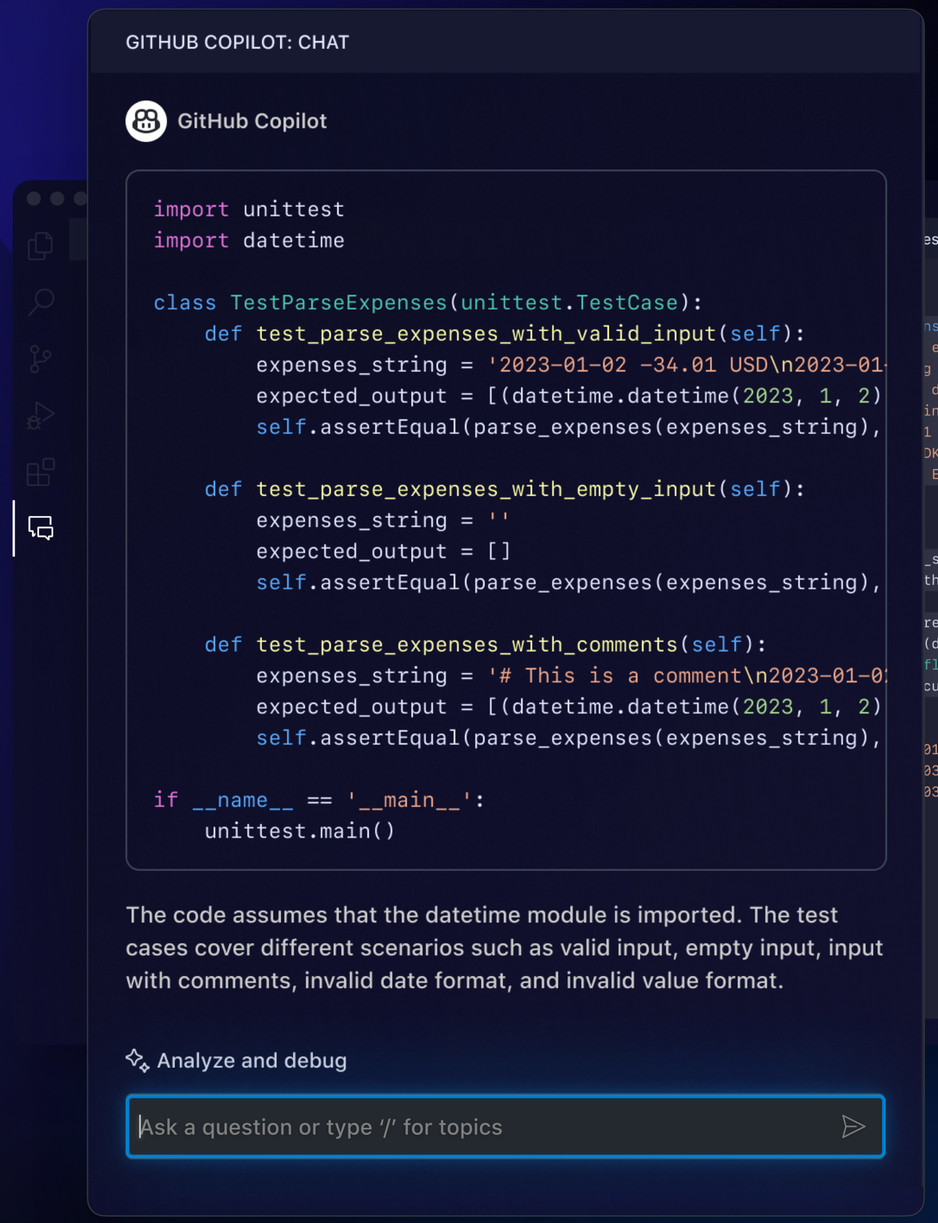
Makes natural language a new, universal programming language


myfirstcommit.com
GitHub Universe
Sessions
Speakers
Why attend
FAQ
Visit attendee portal →
Get tickets →
myFirstCommit
@ Enter a GitHub Handle

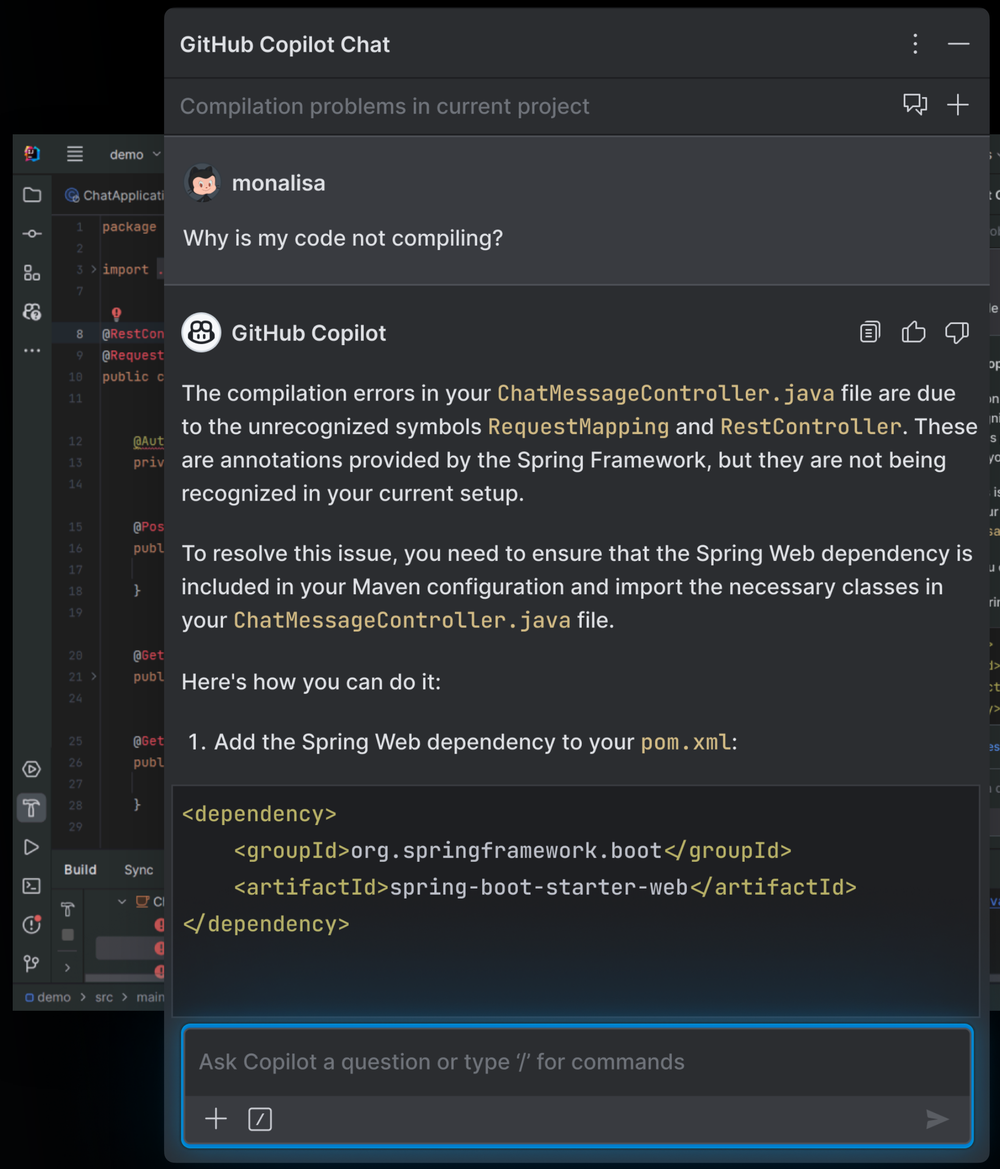
Demo

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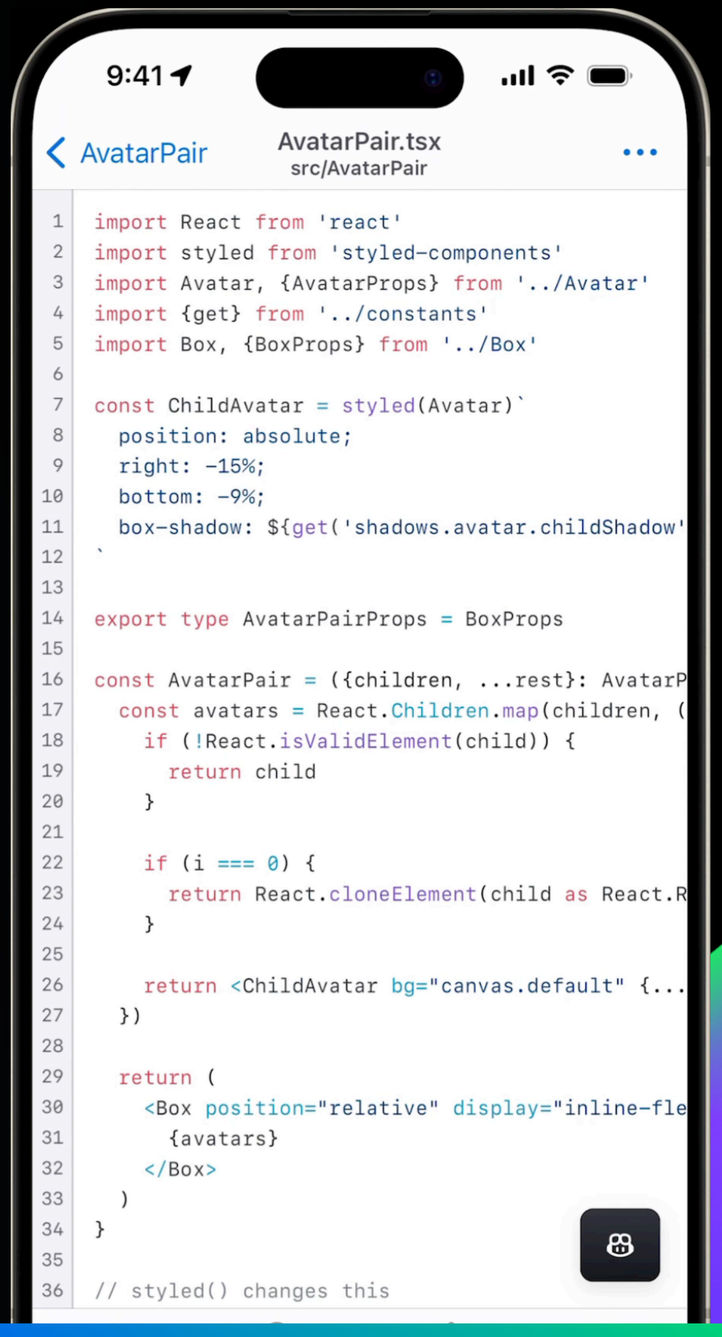
Copilot Chat in VS & VS Code



Copilot Chat available in JetBrains IDEs



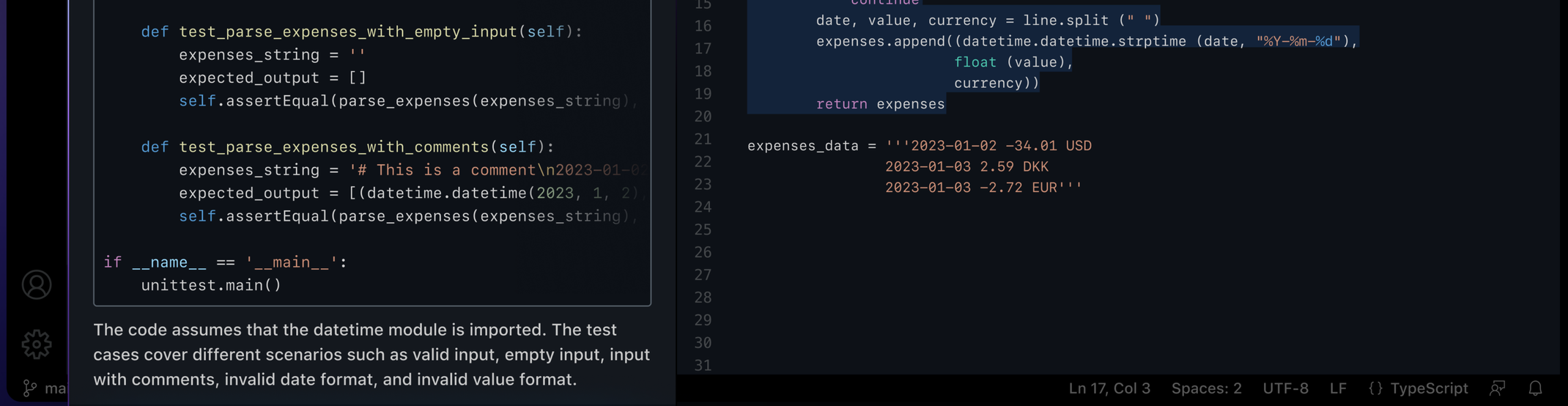
Copilot Chat in Mobile



GitHub Copilot Chat

Even more powerful

- Context aware
- Inline chat
- Upgraded to GPT-4
- / Slash commands
- Smart actions



GitHub Copilot Chat

Generally available

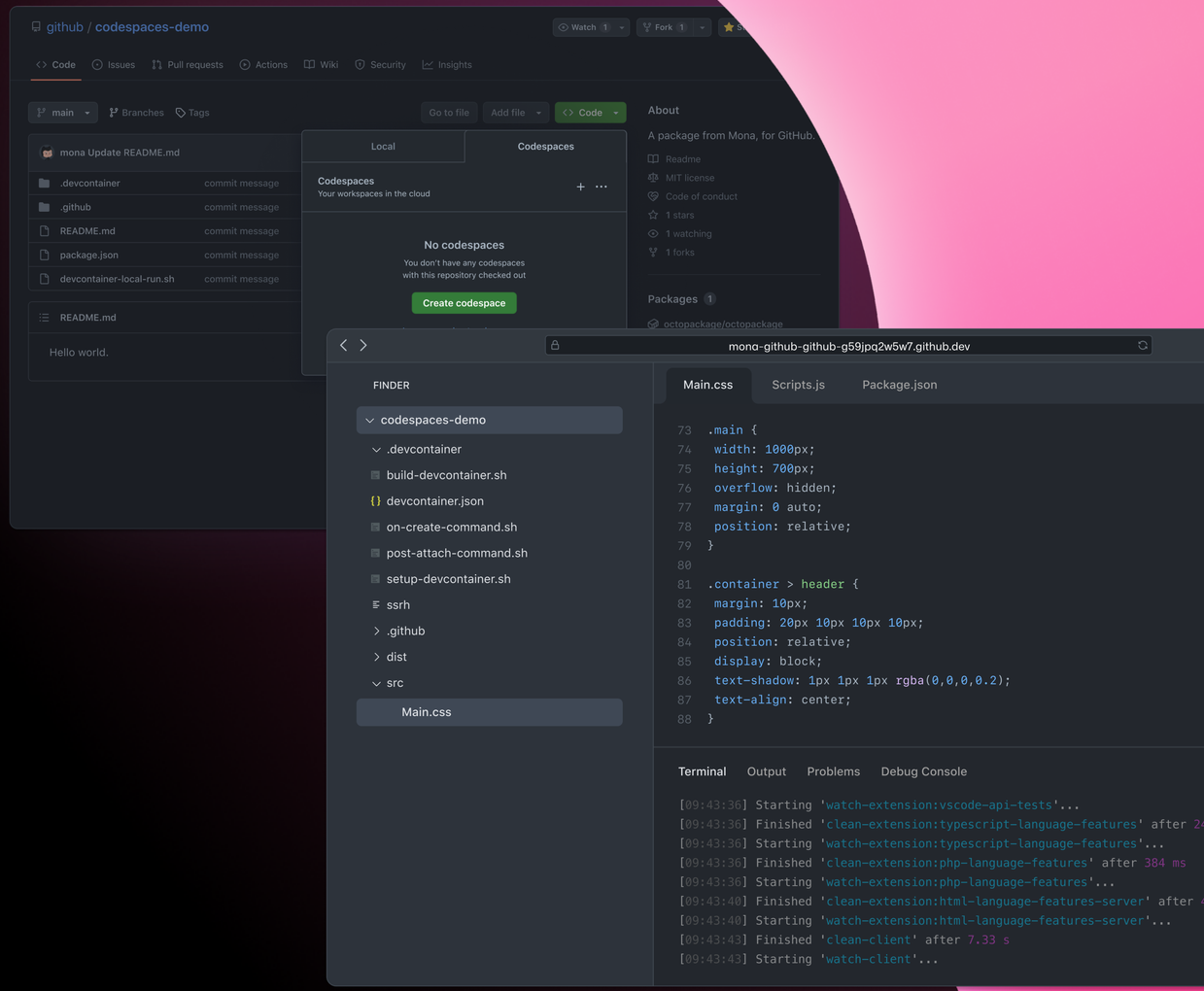
DEC 2023

Accelerating idea to production

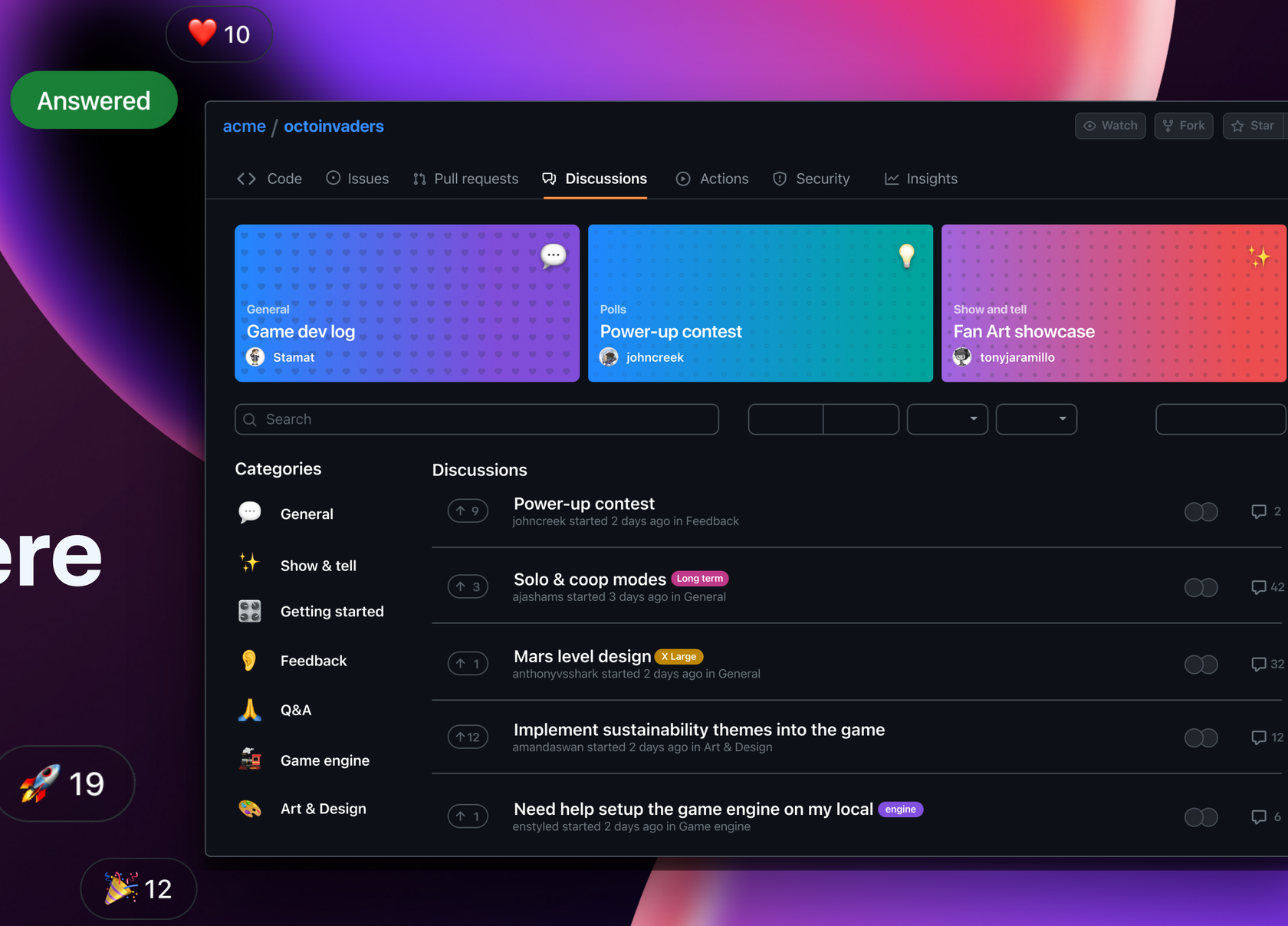
Welcome to your flow state

GitHub Codespaces

Start coding instantly



Collaborate from anywhere



Hit your milestones with ease



GitHub Actions

Automate everything



Mona/.github/workflows/matrix-build-deploy.yml

```
1  name: matrix-build-deploy
2  on: r
3  jobs:
4    test
5      s
6
7
8      r
9      s
10     -
11     -
12
13
14     -
15       - uses: actions/checkout@mast
16       - uses: actions/setup-node@ma
17   build:
18     strategy:
19       matrix:
20         platform: [ubuntu-latest,
21       runs-on: ${{ matrix.platform
22     publish:
23       needs: [build]
```

repository_vulnerability_alert

-latest, window-latest]

build-deploy

- lint 3s
- Check Pre-compiled 3s
- Test unit 3s

```
1  ▶ Current runner version: '2.277.1'
7  Operating System
8  Virtual Environment
9  GITHUB_TOKEN Permissions
10 Prepare workflow directory
11 Prepare all required actions
12 Getting action download info
13 Download action repository 'actions/checkout@v2'
14 Download action repository 'actions/setup-node@v1'
15 Prepare all required actions
16 Prepare workflow directory
```

- testYarnPnP 3s

GitHub

AI-powered developer platform

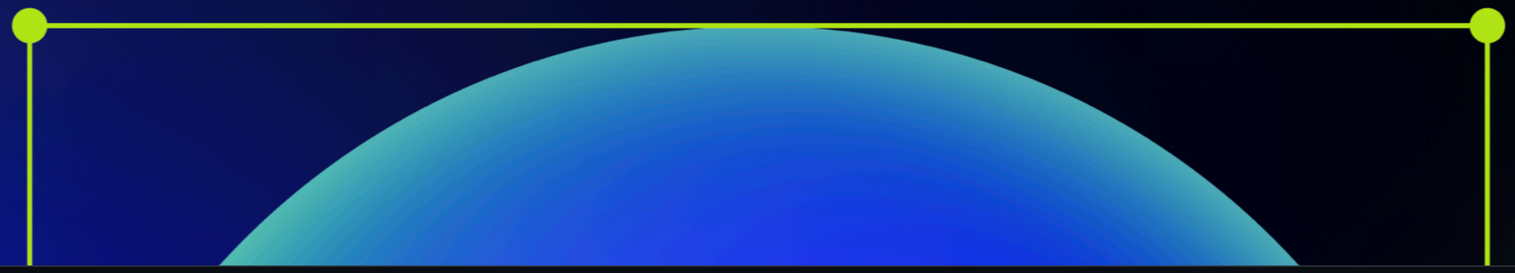


Demo

UNIVERSE23

Embedded security

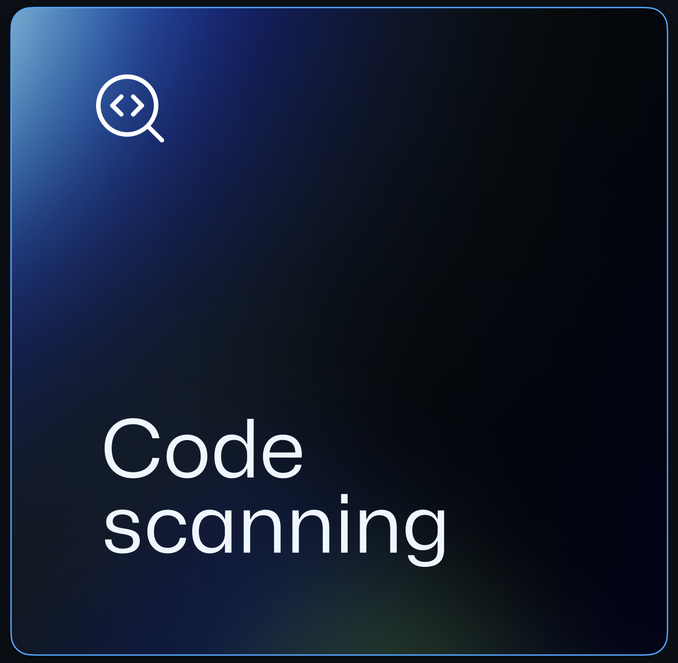
GitHub Advanced Security

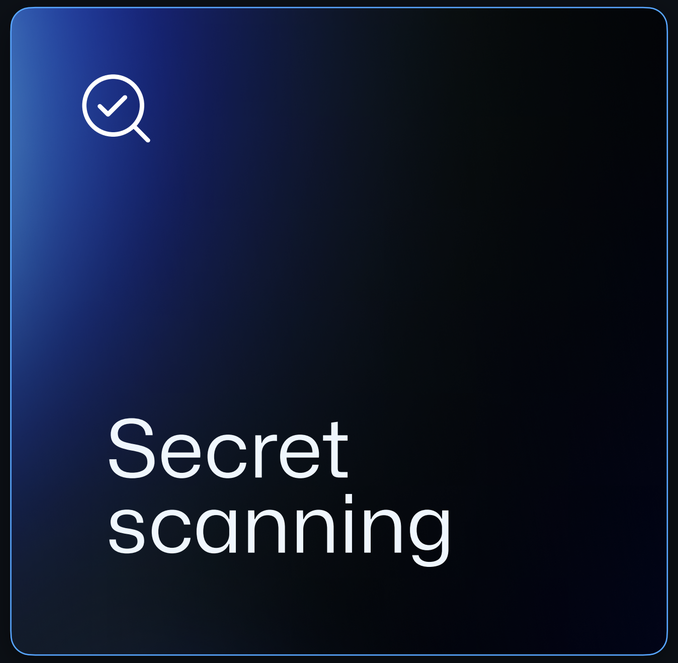


7X+ faster

Embedded security

GitHub Advanced Security

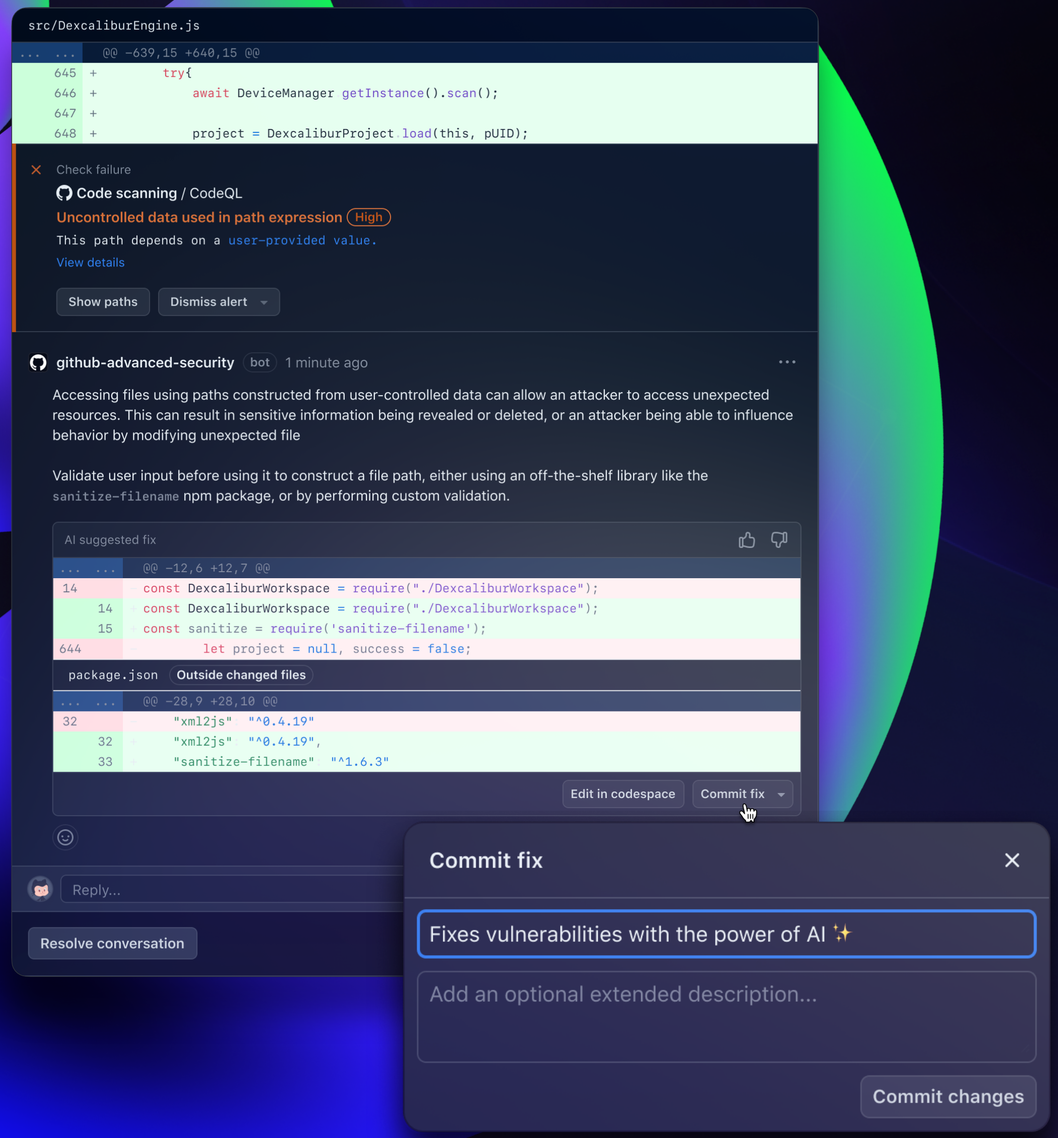






AI-POWERED

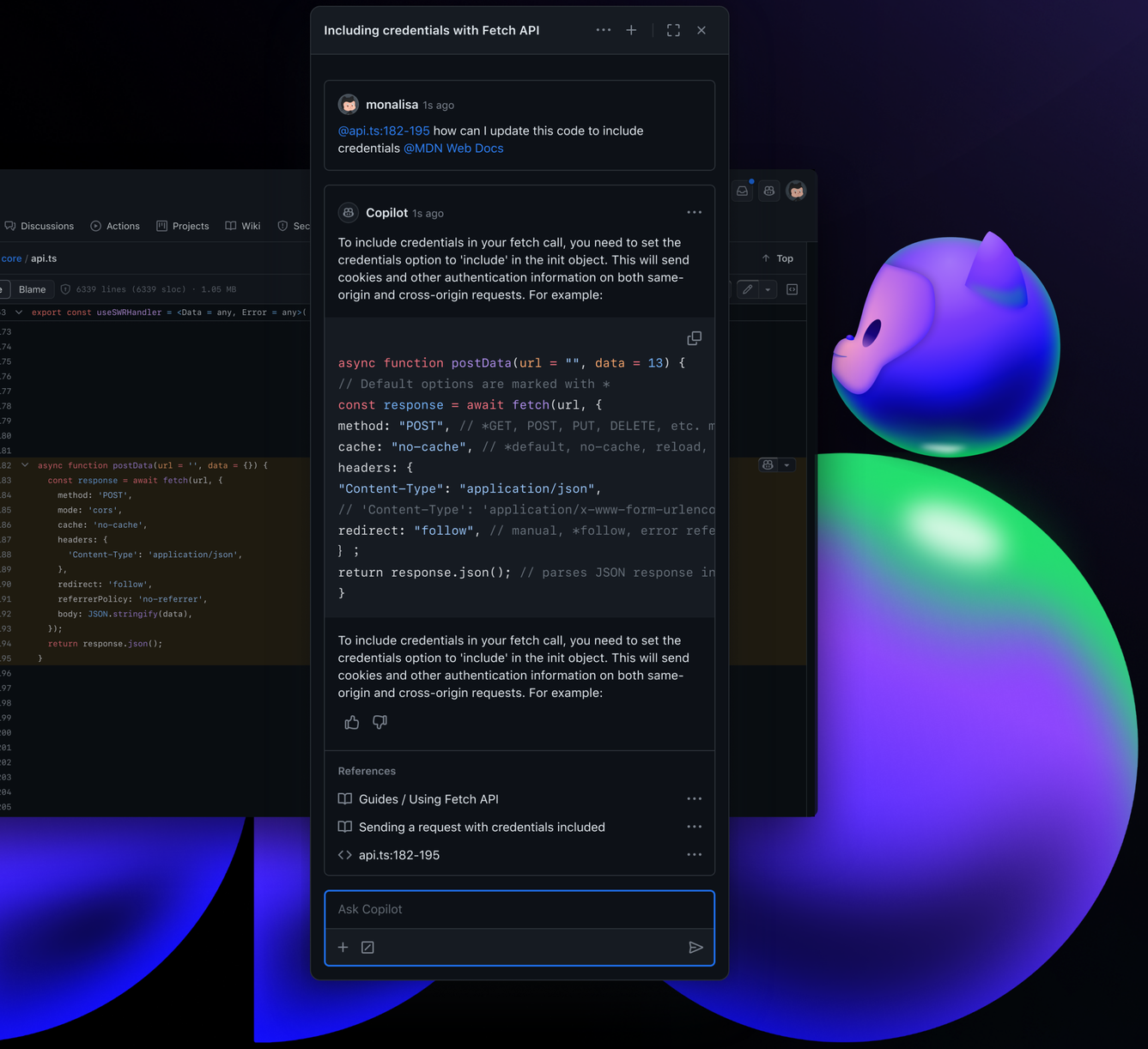
Code scanning autofix





AI-POWERED

Secret scanning



AI-POWERED

Copilot Chat in github.com



Personalized to your organization

Demo

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octocademy
Organization account Switch to another account

Go to your organization profile

General
Billing and plans
Repository roles
Member privileges
Team discussions
Moderation

Code, planning, and automation

Repository
Codespaces
Actions
Copilot
General
Policies and features
Custom models Beta
Webhooks
Packages
Pages
Projects

Create a new custom model

Beta Share feedback

Grant access to repositories to train your model. By selecting repositories, you are granting permission to collect your repository data for fine-tuning the model. Learn more about model fine-tuning.

Repository access

Grant permission to repositories and their data to train your model.

All repositories

Allow access to telemetry data

Grant permission to collect and use developer's telemetry data for fine-tuning the model. **Not selecting this will impact the model performance.**

Off

The selected repositories will take an estimated time of **36h 21m** to train.

Create new custom model

Code

main

Jump to file

- models
  - __init__.py
  - book.py
  - user.py
- templates
- static
- database
- test
- app.py
- config.py
- requirements.txt
- README.md

bookstore_app / models / book.py

monalisa initial setup and book crud ✓ bc07c5d · 23 days ago History

Code Blame 6339 lines (6339 sloc) · 1.05 MB Raw

```python
class Book:
    def __init__(self, isbn, title, author):
        self.isbn = isbn
        self.title = title
        self.author = author

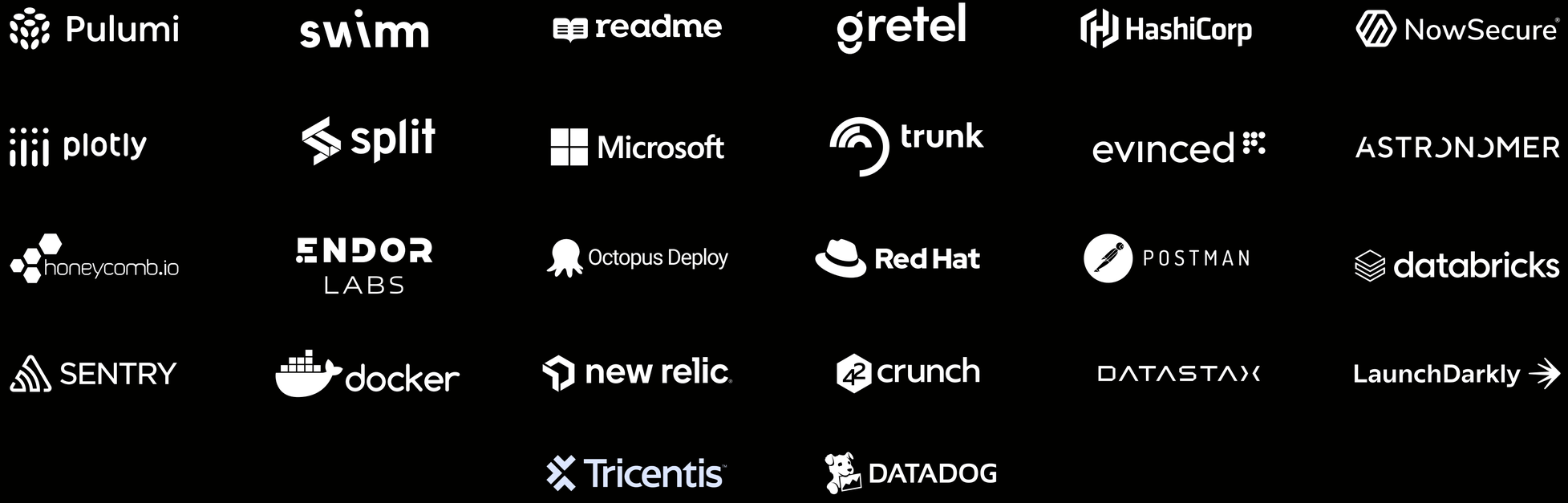
    def __repr__(self):
        return f"<Book(isbn='{self.isbn}', title='{self.title}', author='{self.author}')>"

    @classmethod
    def find_books_by_author(cls, session, author_name):
        """
        List all books by a given author, ordered by title. Return a list of Book objects.
        """
        rows = session.execute('SELECT * FROM books WHERE author_name = %s ORDER BY title', [author_name])
        books = []
        for row in rows:
            books.append(cls(row.isbn, row.title, row.author_name))
        return books

    @classmethod
    def find_by_isbn(cls, session, isbn):
        """
        Retrieve a book by its ISBN. Return a Book object or None if not found.
        """
        row = session.execute('SELECT * FROM books WHERE isbn = %s', [isbn]).one()
        if row:
            return cls(row.isbn, row.title, row.author_name)
```

GitHub Copilot Partner Program

Extend Copilot beyond your code



Copilot Individual

Copilot in the coding environment
for individual developers

- ✓ Code completions

Copilot Business

Copilot in the coding environment
for organizations

- ✓ Code completions

Copilot Individual

Copilot in the coding environment
for individual developers

- ✓ Code completions
- ✓ Chat in IDE and Mobile
- ✓ CLI assistance
- ✓ Security vulnerability filter
- ✓ Code referencing
- ✓ Public code filter

Copilot Business

Copilot in the coding environment
for organizations

- ✓ 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

Copilot personalized to your organization



GitHub

AI-powered developer platform



gh.io/features

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Thank you!

