

# GitHub Fundamentals

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(1-1) GITHUB COPILOT

### Using GitHub Copilot Chat

Published by O'Reilly Media, Inc.



■ Intermediate

Pair programming with AI for easier software development

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What you'll learn Is this live event for you? Schedule

#### Course outcomes

- Understand how to use GitHub Copilot Chat to refactor, document, and secure your code base
- Learn how to generate unit test cases, analyze diagrams and algorithms, and perform code reviews

#### Course description

Recent advancements in large language models, with ChatGPT at the forefront, are revolutionizing how software developers work. GitHub Copilot has been trained on billions of lines of code to turn coding prompts into coding suggestions. Recently, it has been extended with Chat, a generative AI and GPT-4 context-aware conversational assistant in Visual Studio Code.

Join expert Lukasz Dynowski to gain practical skills that will enable you to turn dull development tasks such as unit testing, documentation, bug hunting, documentation searching, or diagram explanations into playful conversation with GitHub Copilot Chat, your new AI pair programmer.

Jan. 22, 2024

7 - 9 p.m. Central European Standard Time

180 Spots Remaining

Sign up!

YOUR INSTRUCTOR



Lukasz Dynowski

Lukasz Dynowski is an independent consultant who in his career was involved in over 150+ projects. Counting over 10 years of experience as a software engineer Lukasz was doing Full-Stack, DevOps, Software Architecture, as well as...

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C Earn your badge

Digital badges are verifiable and shareable proof of the skills you've built. Complete 80% or more of this course to earn your badge.

((+)) WEB APIS

### **API Styles Fundamentals**

Published by O'Reilly Media, Inc.



• Beginner

Understanding trade-offs and choosing the correct solution for your architecture

In this course, you'll:

- Learn how a variety of APIs are designed
- · Understand the differences among API communication methods
- Learn which API design decisions are best for which use cases

#### **Course description**

If you only have a hammer, everything begins to look like a nail, but sticking with a single API style is limiting. Nowadays, a service or microservice has several APIs, and they must all be well-defined.

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# Objectives

Pull Requests

CI/CD

GitHub Templates

Docker

GitHub Releases / Tag

Git

GitHub Wikis

Markdown

GitHub Pages

Microservices

CitUub Astions

Free Software

GitHub Actions

Open Source

GitHub Issues

GitHub is your CV

GitHub Advanced Search



# What is GitHub?









126M+ Developers



420M+ / 115M+ Repositories







### How did we arrived here?

Unix 1970 AT&T Bell Labs

GNU 1983 GNU Project

GCC **1987** GCC + Libs

GPL 1989 4 Freedoms

Linux Kernel 1991 Linux Kernel

Open Source 1998 Netscape

GIT 2005 BitKeeper

GitHub 2008 Logical Awesome LLC

2021





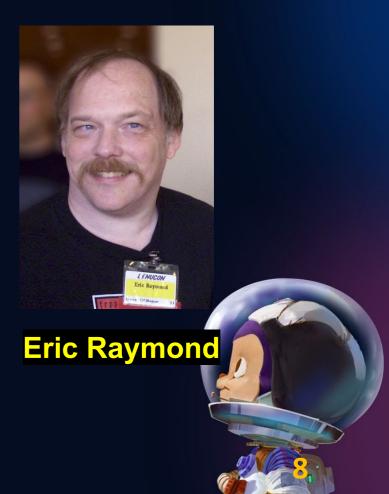
### Free Software & Open Source



**Richard Stallman** 



**Bruce Perens** 



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https://www.gnu.org/philosophy/free-sw.en.html



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https://opensource.org/osd





#### **Free Software**

Focus on the user's freedom to use, modify and share the software.



#### **Open source**

Focus on the benefits of collaboration and software development without restricting involved parties.

Open-source focus on the availability of the source code and the ability to modify and share it.

open source initiative
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Users	< 1%	Kubernetes, GitLab	Linux Kernel, Gimp			





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