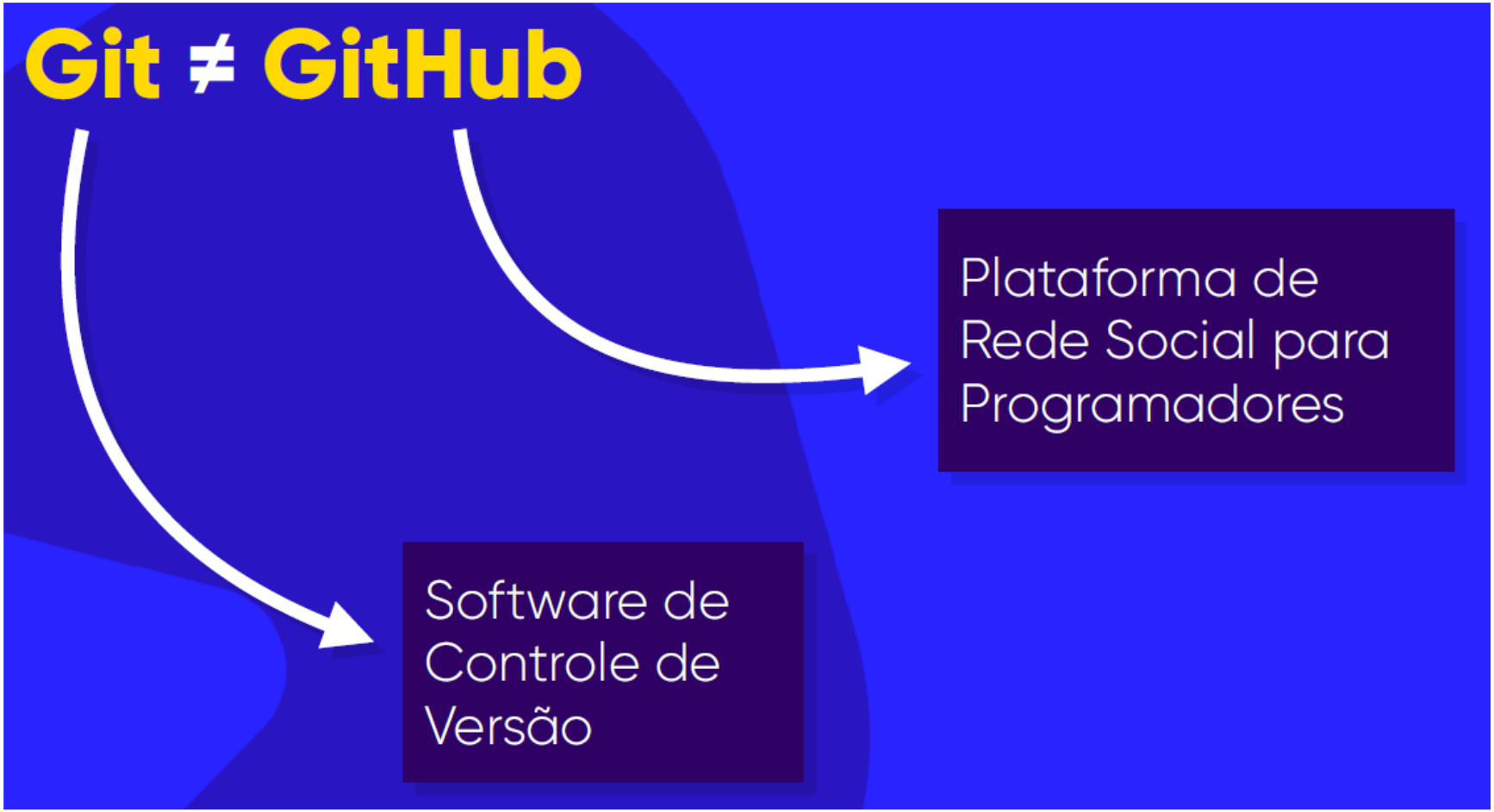
Introdução ao Ambiente de Desenvolvimento e Operações (DevOps)

Aula 01

Prof. Leonardo Bontempo

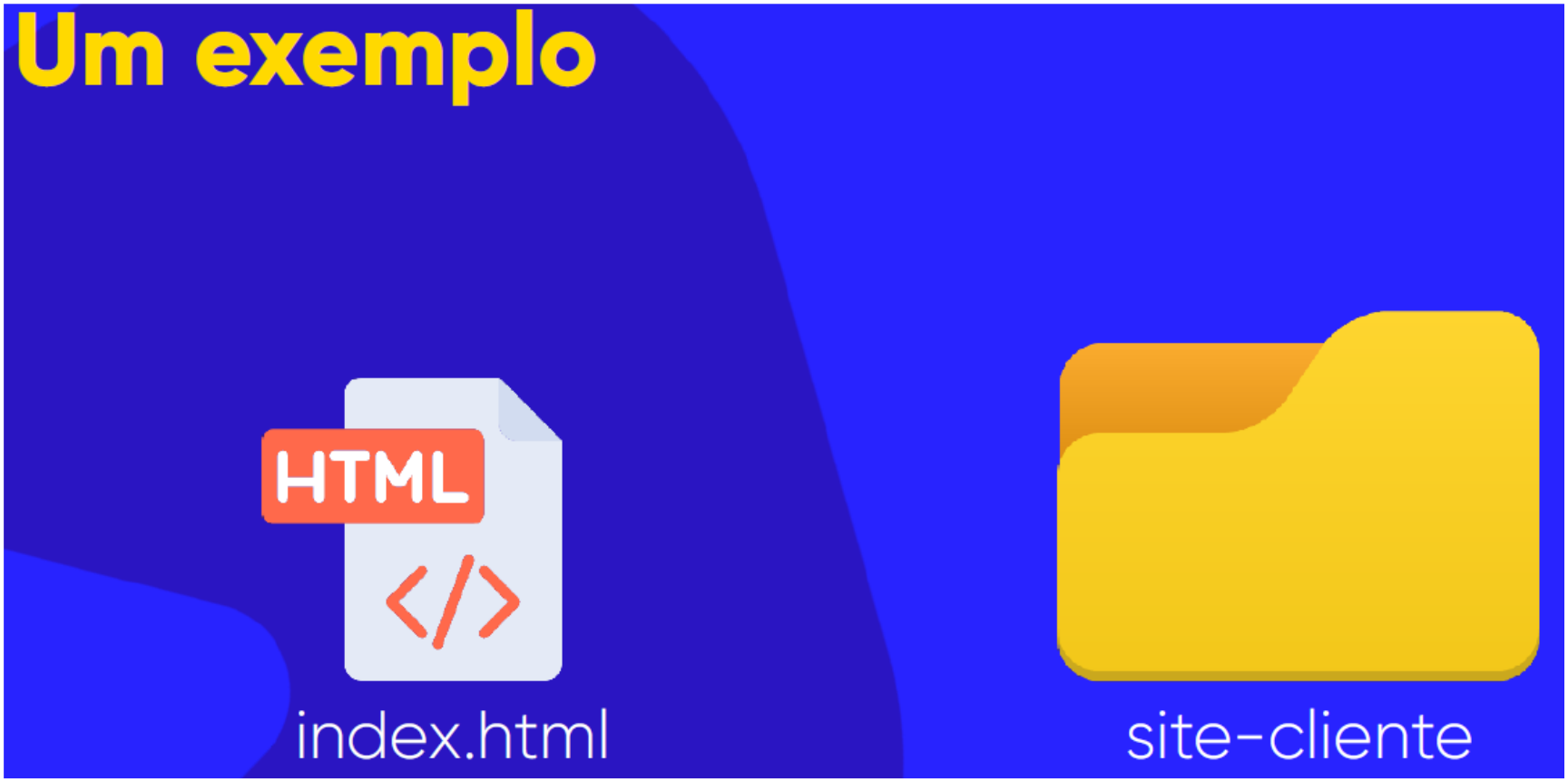
leonardo.bontempo@faculdadeimpacta.com.br

Git e GitHub


Git ≠ GitHub
Plataforma de Rede Social para Programadores
Software de Controle de Versão

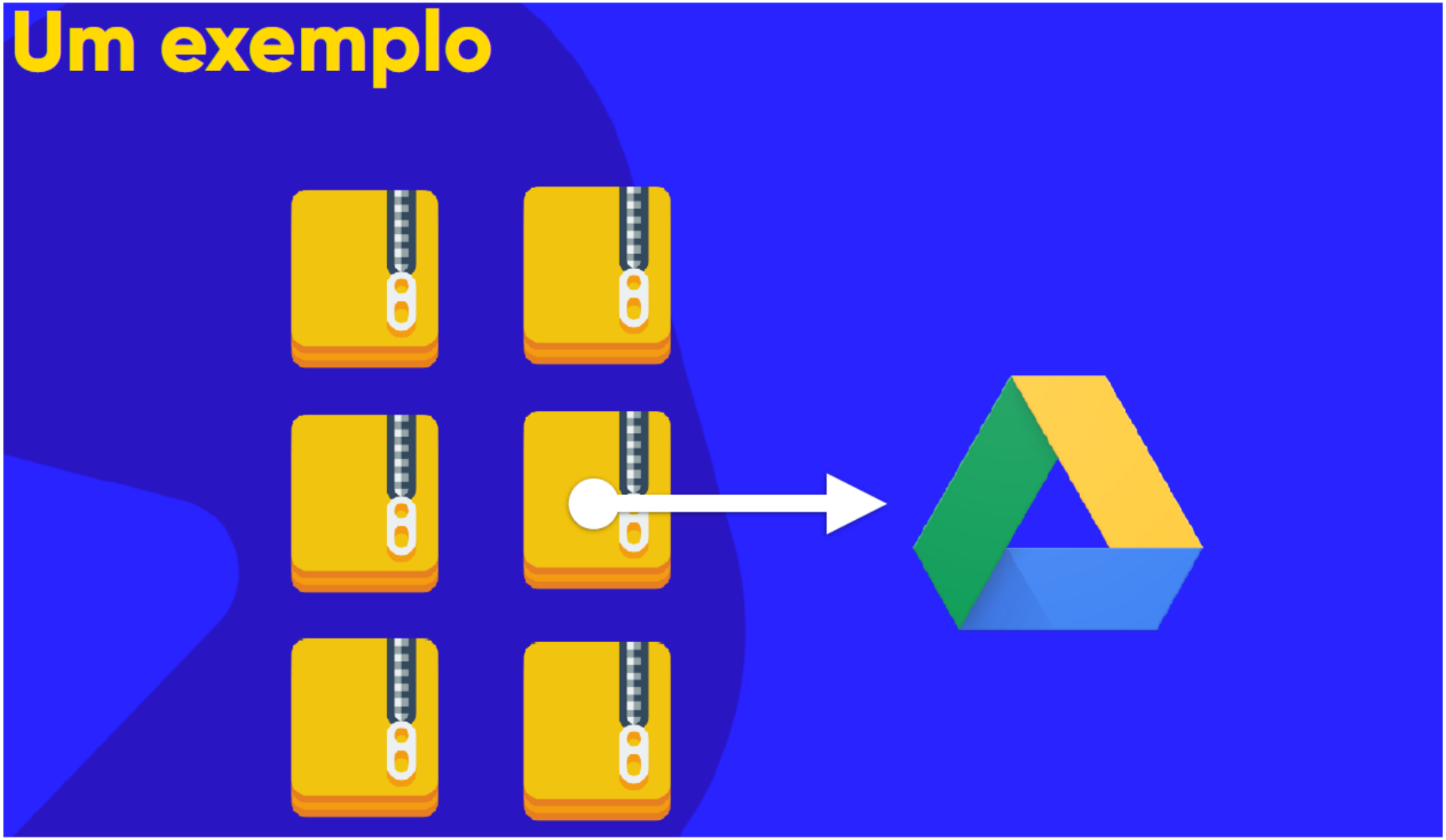
Git

Versionamento - Exemplo

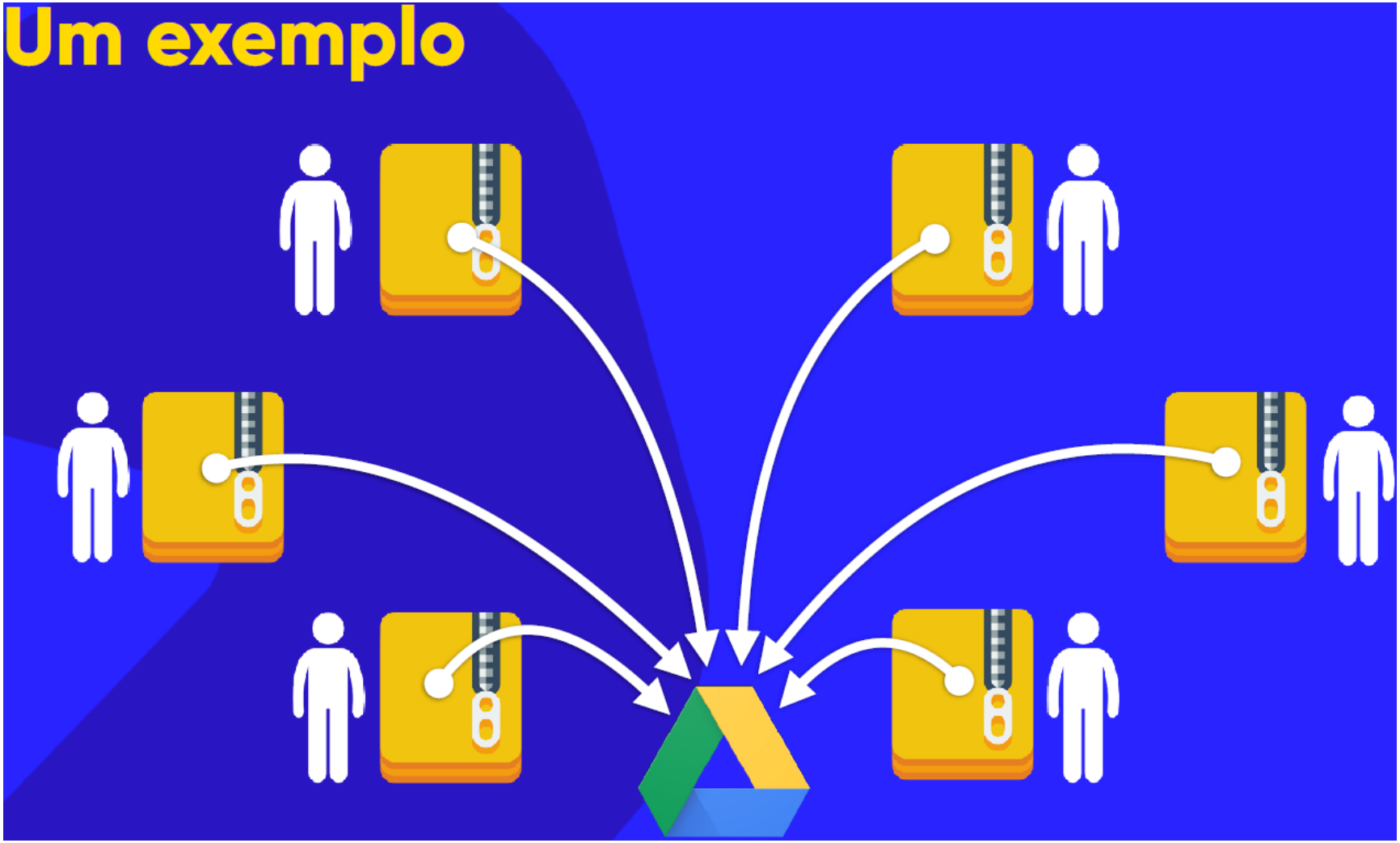


Versionamento - Exemplo

Versionamento - Exemplo

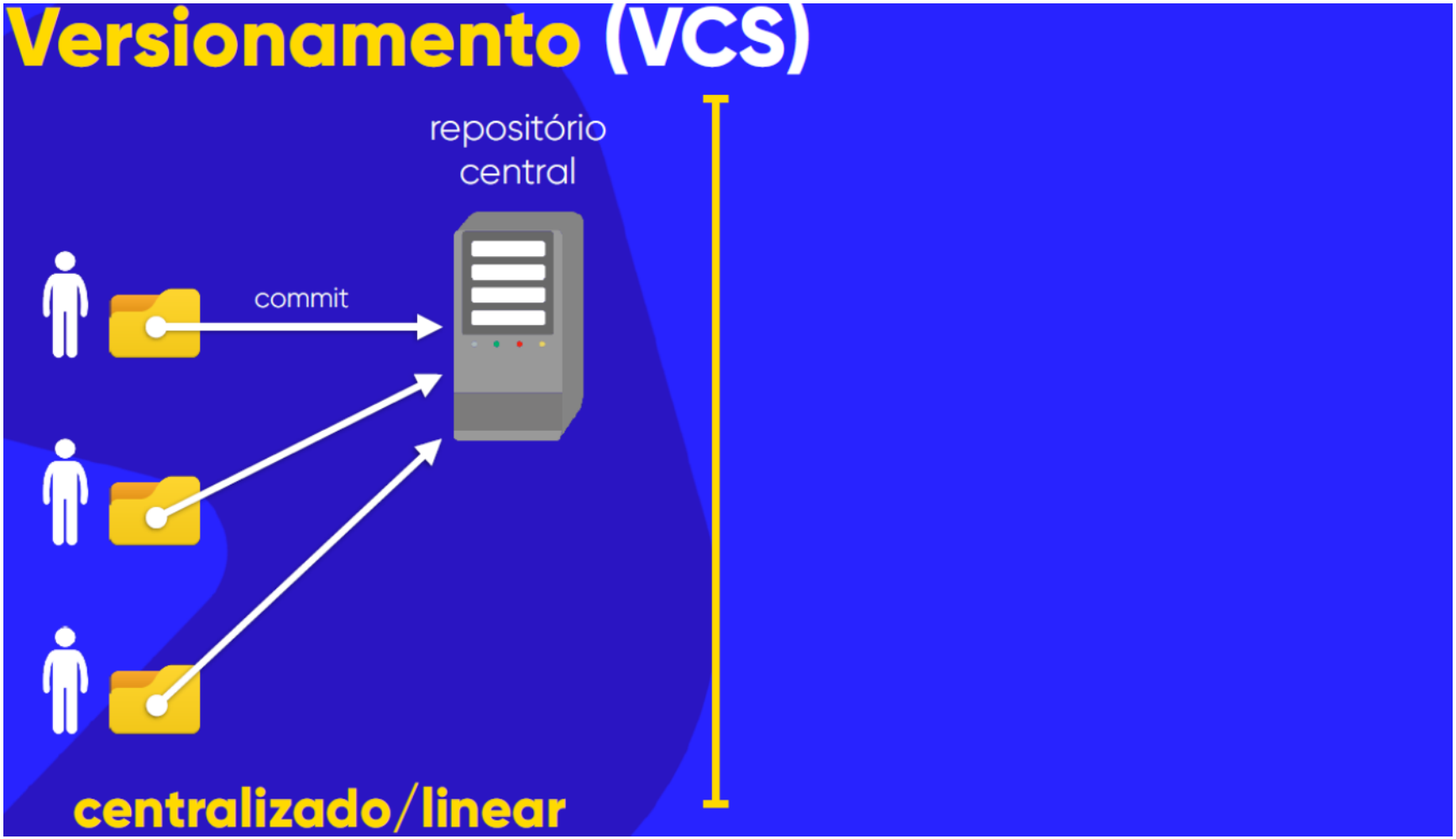


Versionamento - Exemplo

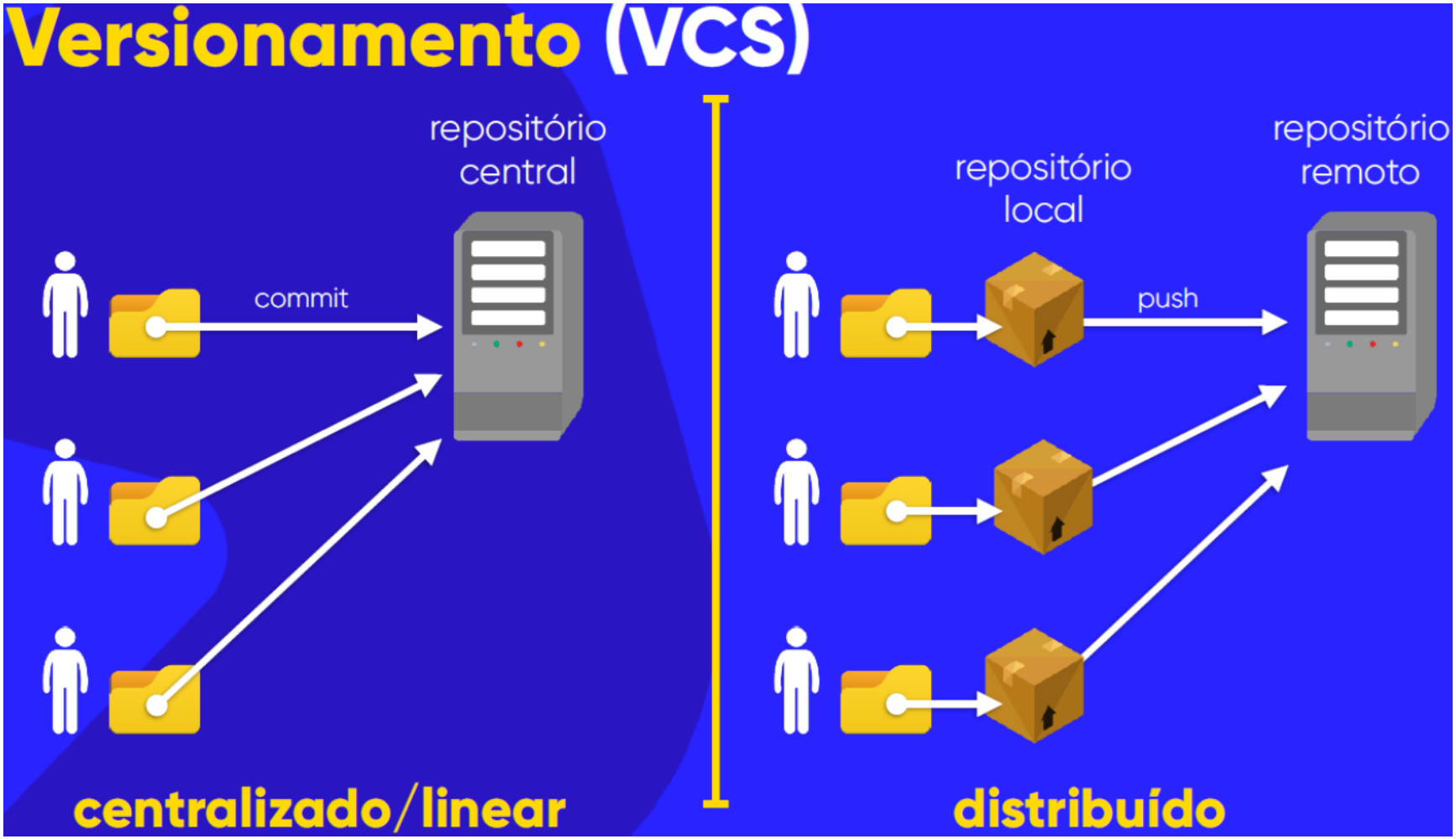


VCS – *Version Control Software*

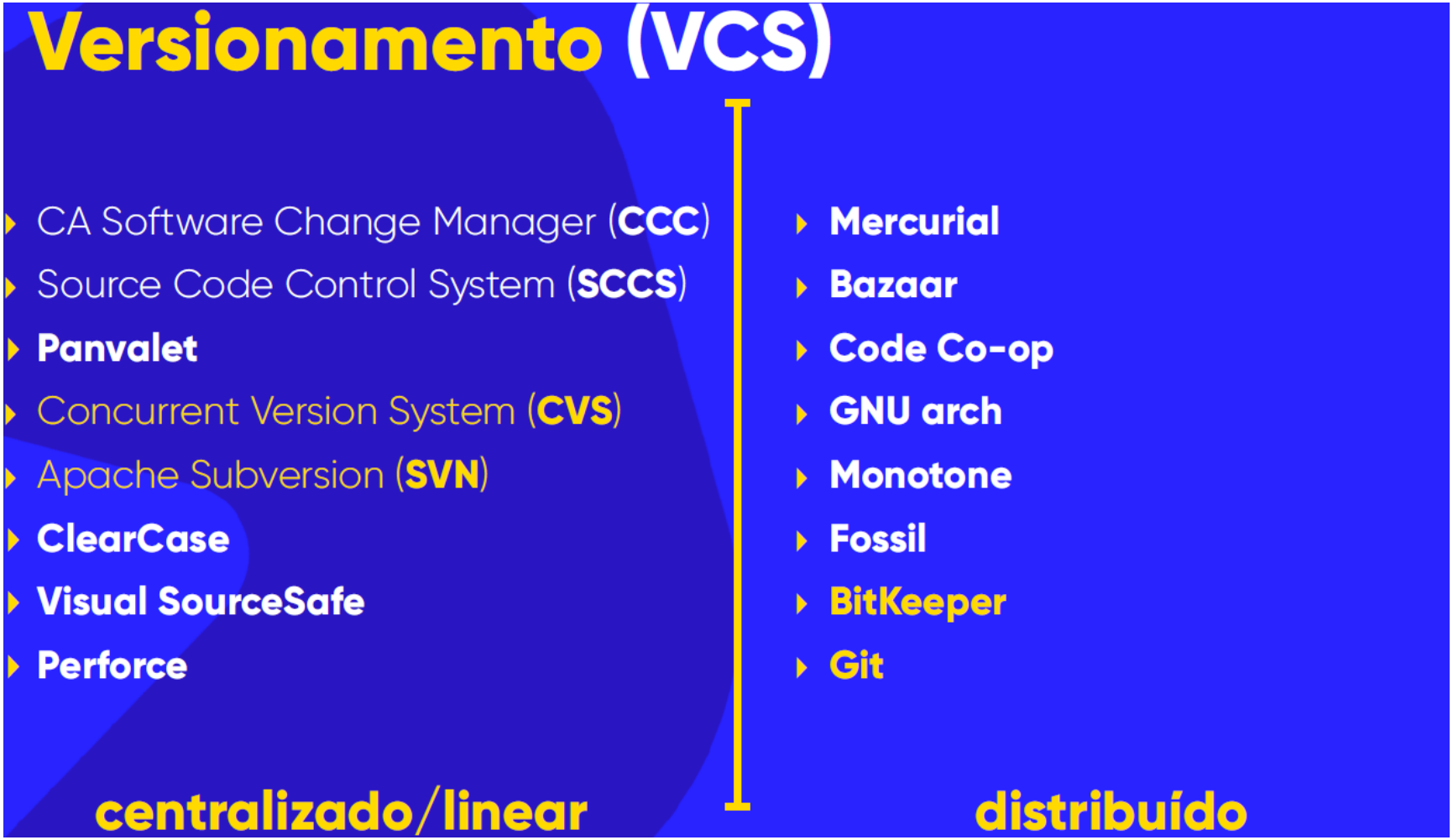
VCS – Centralizado / linear



VCS – Distribuído



VCS - Exemplos

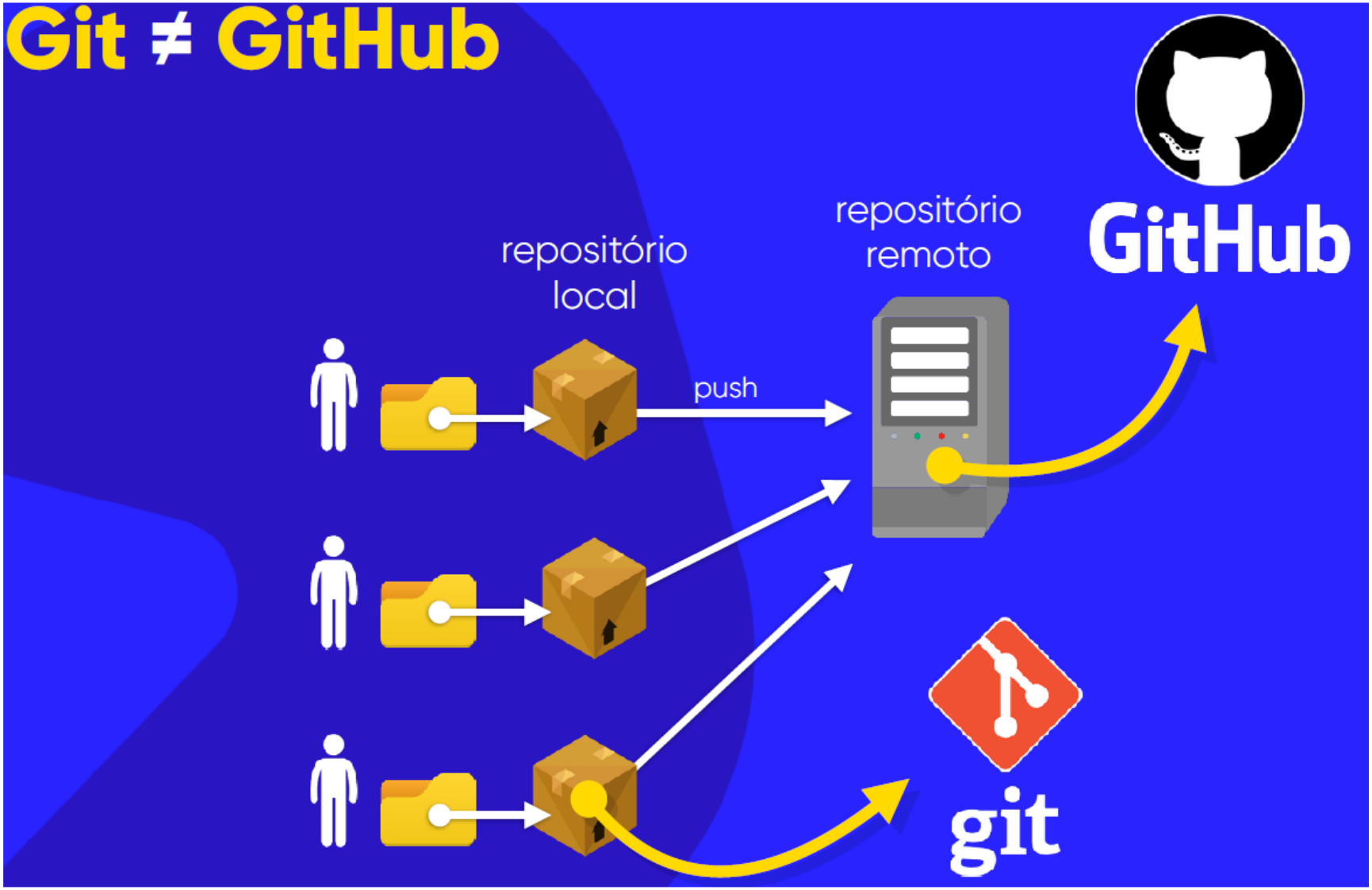


VCS - Exemplos

Principais vantagens

- Controle de histórico
- Trabalho em equipe
- Ramificação do projeto
- Segurança
- Organização

Git e GitHub

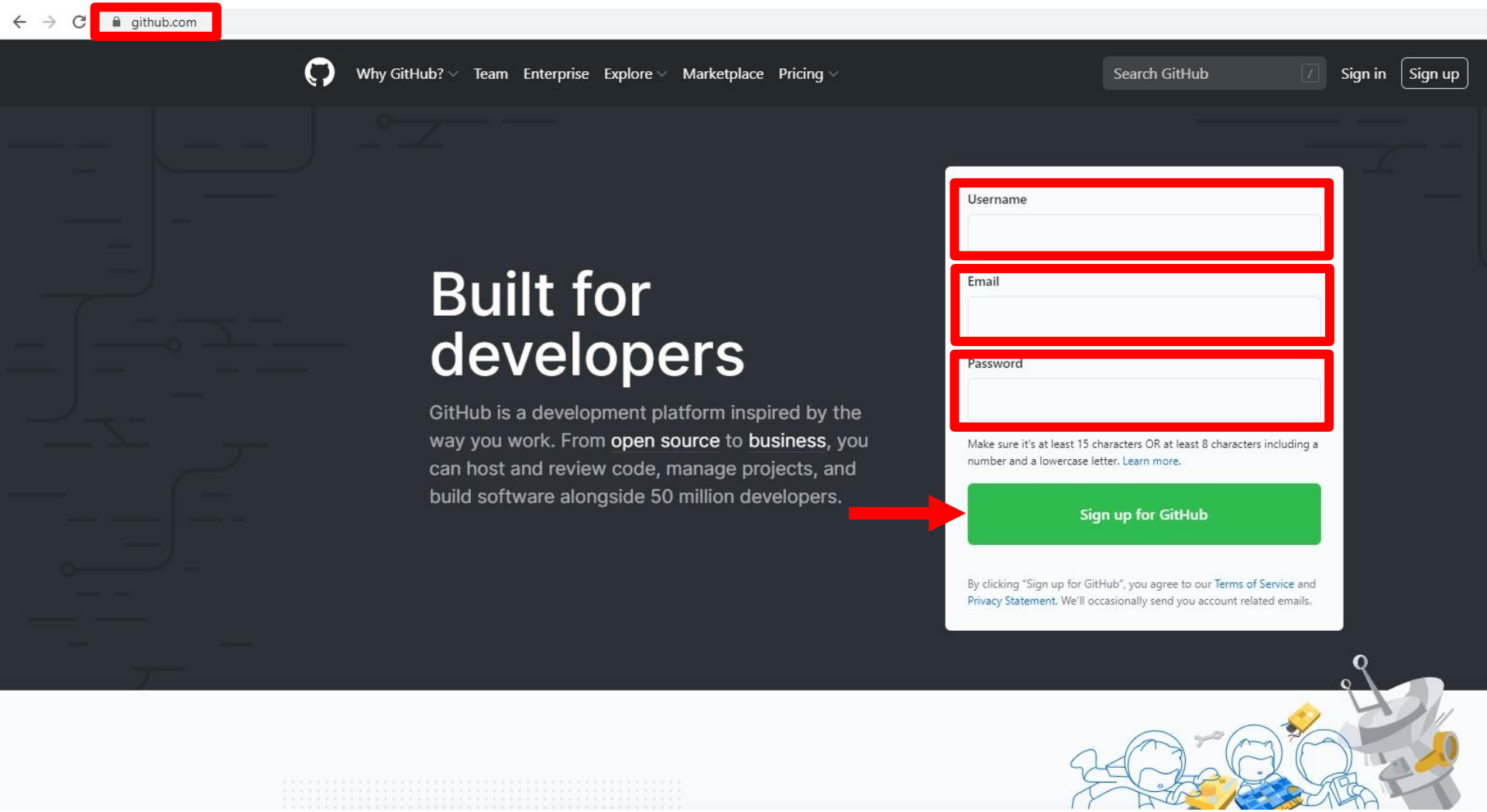

Git ≠ GitHub
repositório local
repositório remoto
GitHub
push
git

GitHub - Características

GitHub - Outros

Vamos criar seu perfil no GitHub?

Vamos criar seu perfil no GitHub?



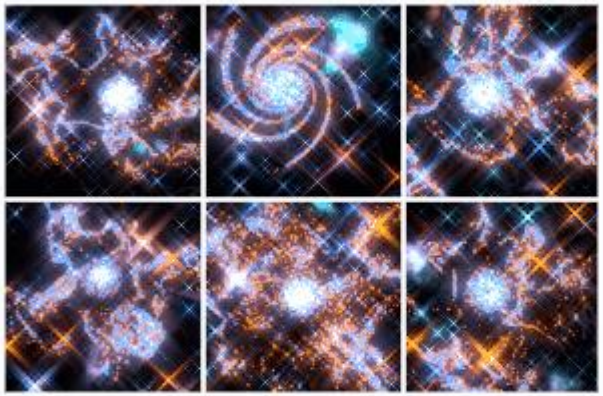
Seguir com a verificação

Join GitHub

Create your account

Verify your account

Escolha a galáxia em espiral



Email preferences

☐ Send me occasional product updates, announcements, and offers.

Join a free plan

Welcome to GitHub

Woohoo! You've joined millions of developers who are doing their best work on GitHub. Tell us what you're interested in. We'll help you get there.

What kind of work do you do, mainly?

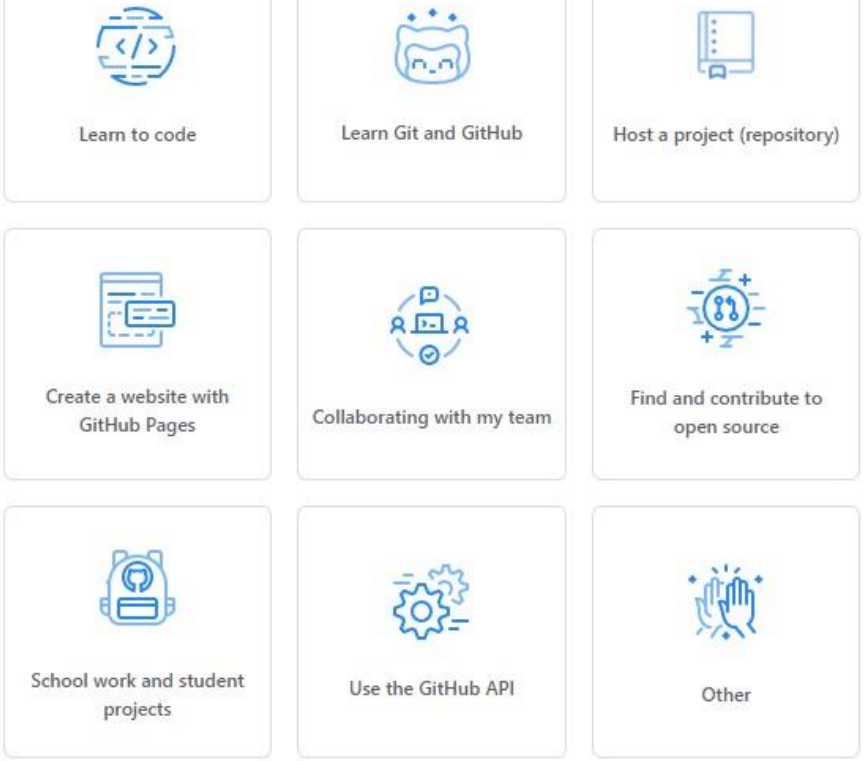
Software Engineer I write code	Student I go to school
Product Manager I write specs	UX & Design I draw interfaces
Data & Analytics I write queries	Marketing & Sales I look at charts
Teacher I educate people	Other I do my own thing

How much programming experience do you have?

None I don't program at all	A little I'm new to programming
A moderate amount I'm somewhat experienced	A lot I'm very experienced

What do you plan to use GitHub for?

(Select up to 3)



I am interested in:

languages, frameworks, industries

We'll connect you with communities and projects that fit your interests.

For example: `react-native` `webauthn` `mysql`

Complete setup

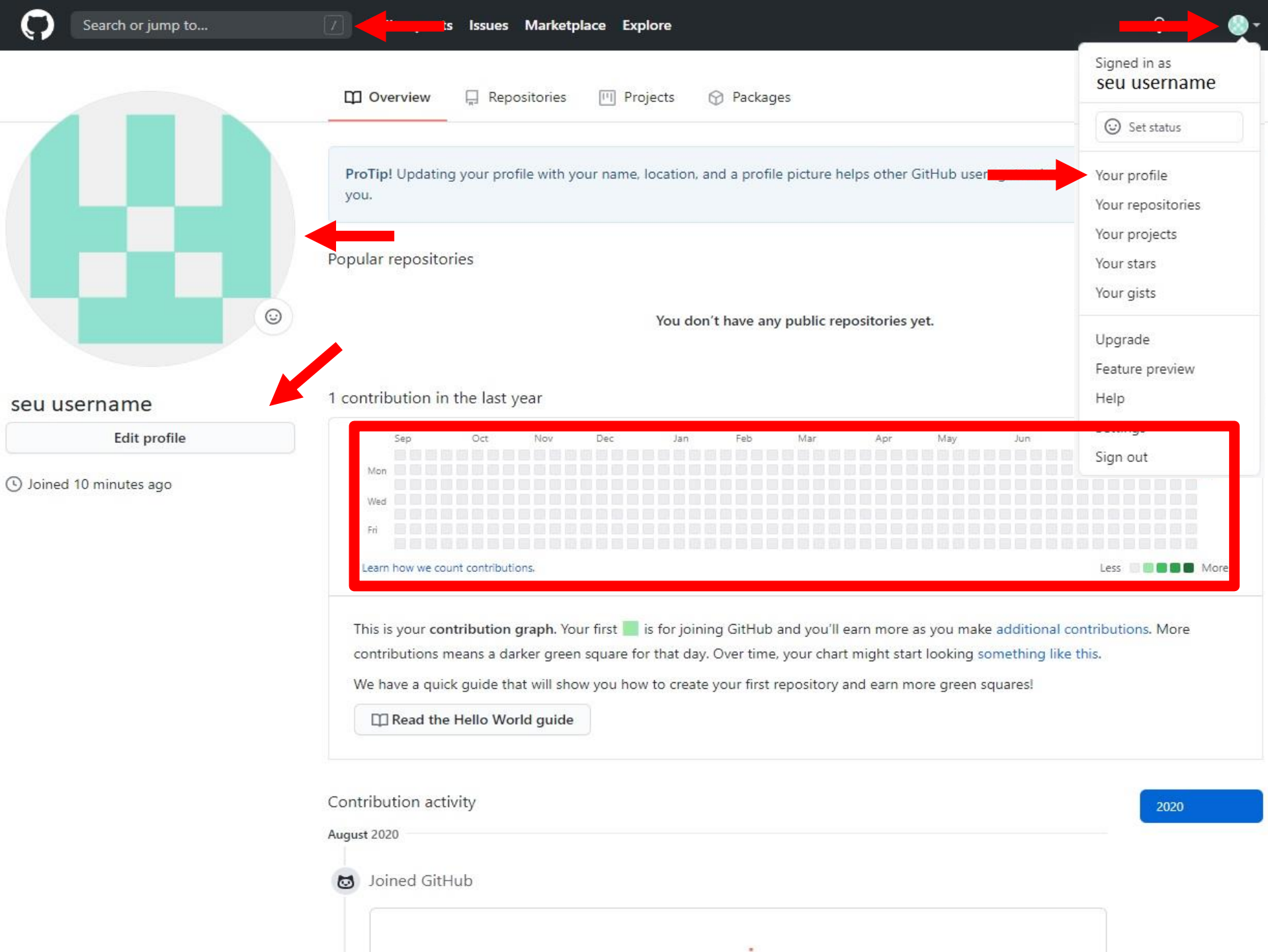
Vamos criar seu perfil no GitHub?

Please check your email settings

Before you can contribute on GitHub, we need you to verify your email address.

The mailserver for hotmail.com is not accepting our messages to **seu_email**.com. Please check the spelling of your email address and make sure email from GitHub is not rejected by any (spam) filter.

Resend verification email | Change your email settings


Search or jump to...
Issues
Marketplace
Explore
Signed in as
seu username
Set status
Your profile
Your repositories
Your projects
Your stars
Your gists
Upgrade
Feature preview
Help
Sign out
Overview
Repositories
Projects
Packages
ProTip! Updating your profile with your name, location, and a profile picture helps other GitHub user
you.
Popular repositories
You don't have any public repositories yet.
seu username
Edit profile
Joined 10 minutes ago
1 contribution in the last year
Sep
Oct
Nov
Dec
Jan
Feb
Mar
Apr
May
Jun
Mon
Wed
Fri
Learn how we count contributions.
Less
More
This is your contribution graph. Your first is for joining GitHub and you'll earn more as you make additional contributions. More contributions means a darker green square for that day. Over time, your chart might start looking something like this.
We have a quick guide that will show you how to create your first repository and earn more green squares!
Read the Hello World guide
Contribution activity
2020
August 2020
Joined GitHub

Um pouco de história

Um pouco de história

Um pouco de história

E o GitHub?

2008

GitHub

- Proprietário
- Hospedagem de código
- Baseado em Git
- 2009: 46k repositórios
- 2010: 100k users / 1M repositórios
- 2011: Ultrapassou SourceForge
- 2013: 3M users / 5M repositórios
- 2016: 14º lugar na lista da Forbes
- 2018: Maior ataque de DDoS da história

Um pouco de história

Um pouco de história

Um pouco de história

octodex.github.com

Octodex Home FAQ Follow us on Twitter Back to GitHub.com

#150: Octoqueer

#149: Terracottocat

#148: Octogatos

#147: Adacats

#146: Fintechtocat

#145: Brennatocat

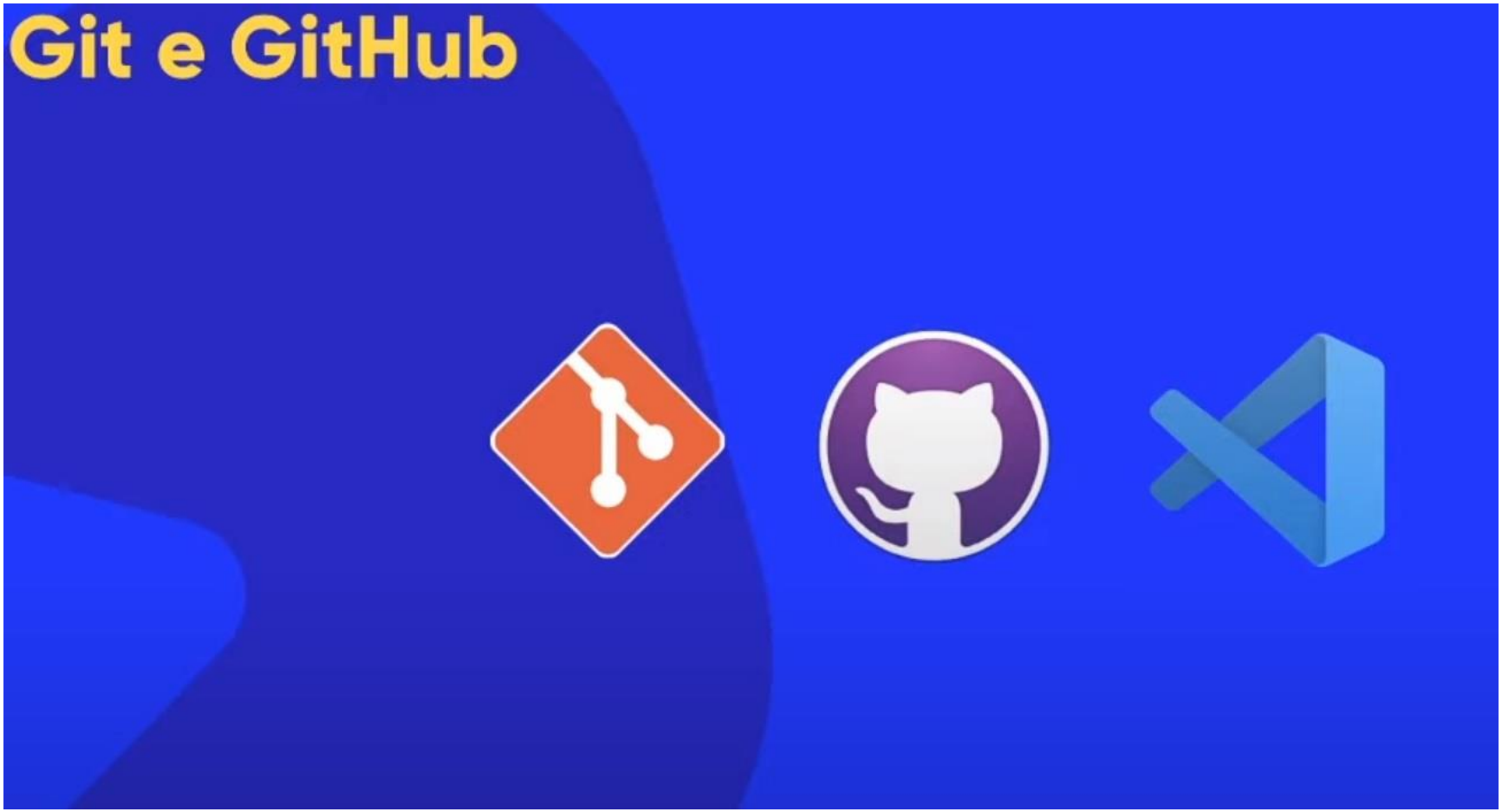
#144: Filmtocats

#143: Sentrytocat

Instalação

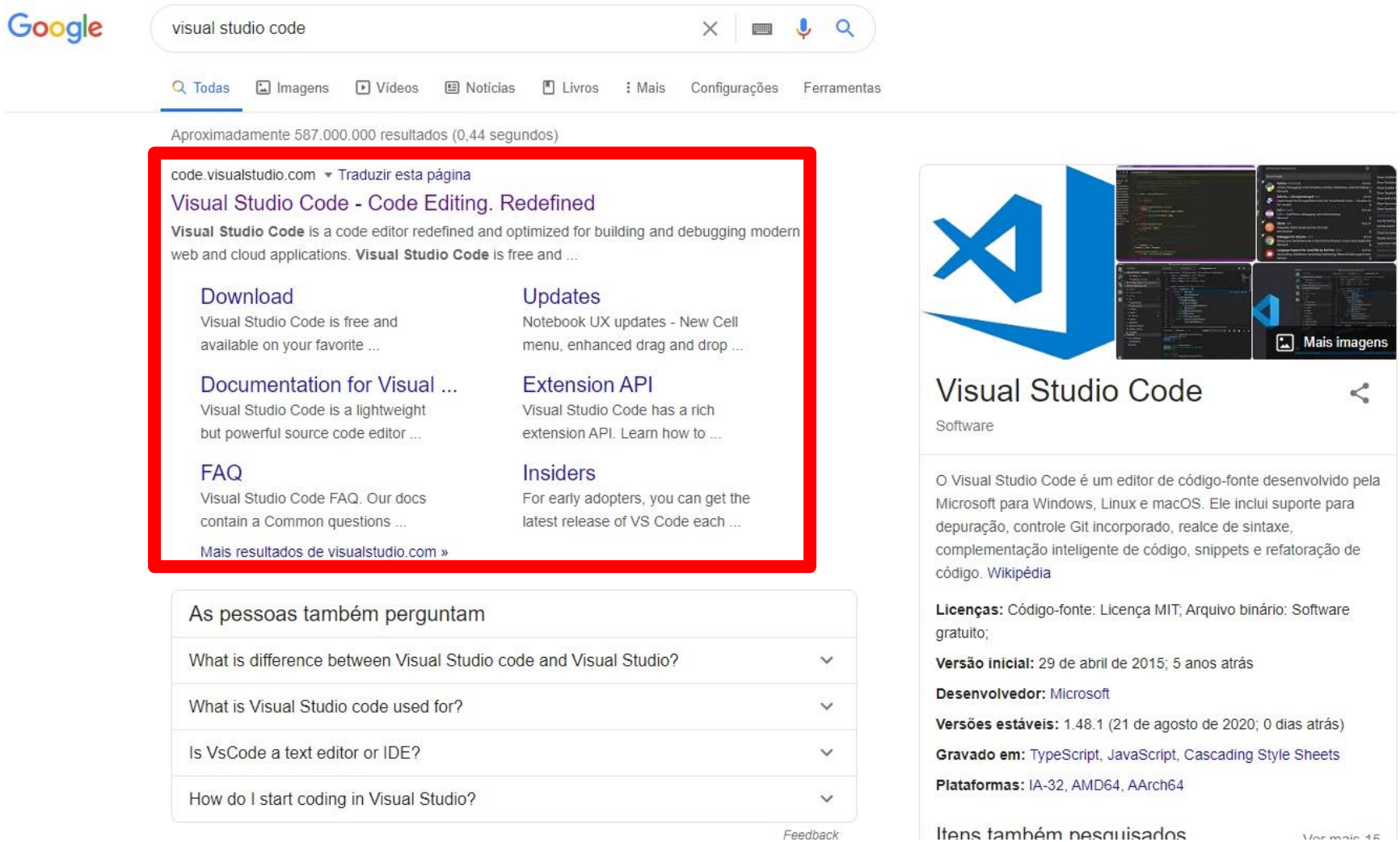
E agora, o que faremos?
repositório local
repositório remoto
git
GitHub

Instalação



- Git SCM – Software Code Manager
- GitHub Desktop (Windows e Mac)
- Visual Studio Code

Instalação – Visual Studio Code



Version 1.48 is now available! Read about the new features and fixes from July.

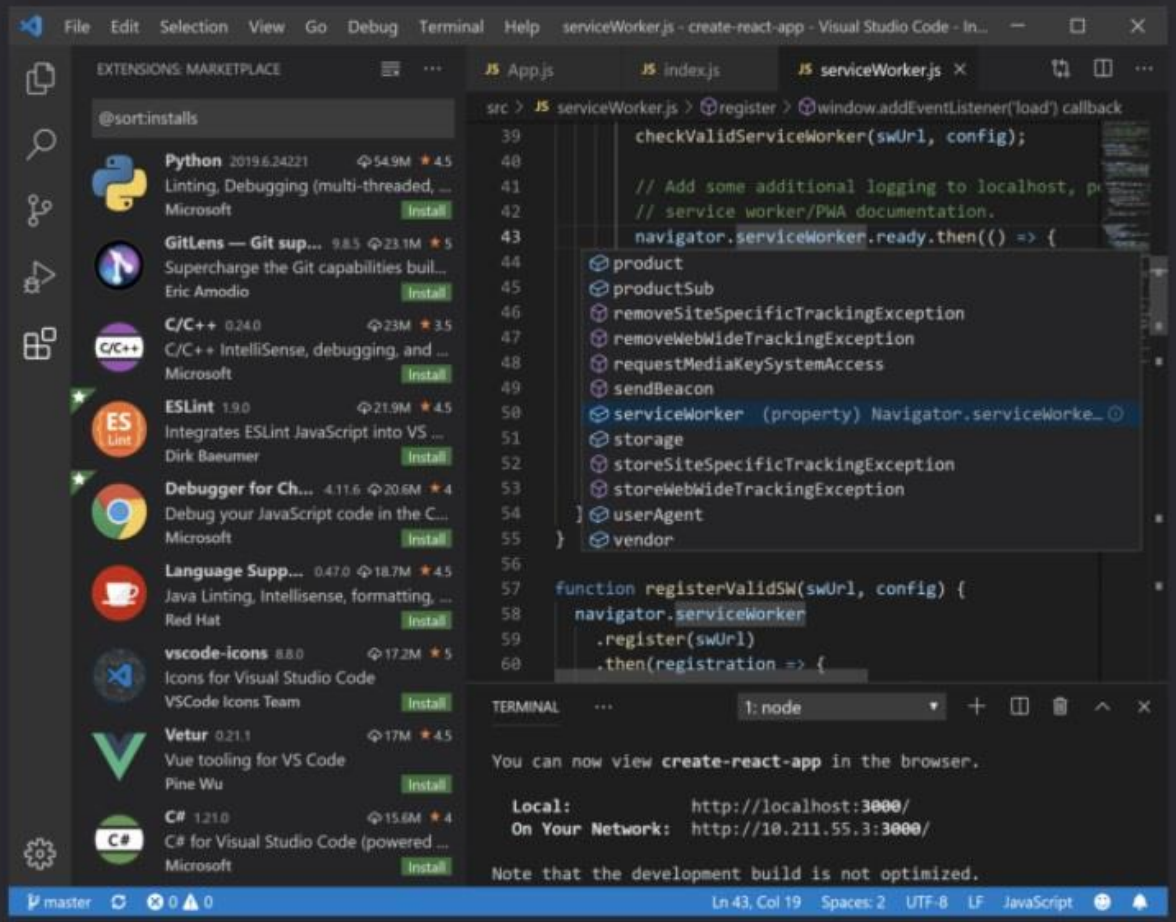
Code editing. Redefined.

Free. Built on open source. Runs everywhere.

Download for Windows
Stable Build

Other platforms and Insiders Edition

By using VS Code, you agree to its license and privacy statement.



IntelliSense

Run and Debug

Built-in Git

Extensions

Version 1.48 is now available! Read about the new features and fixes from July.

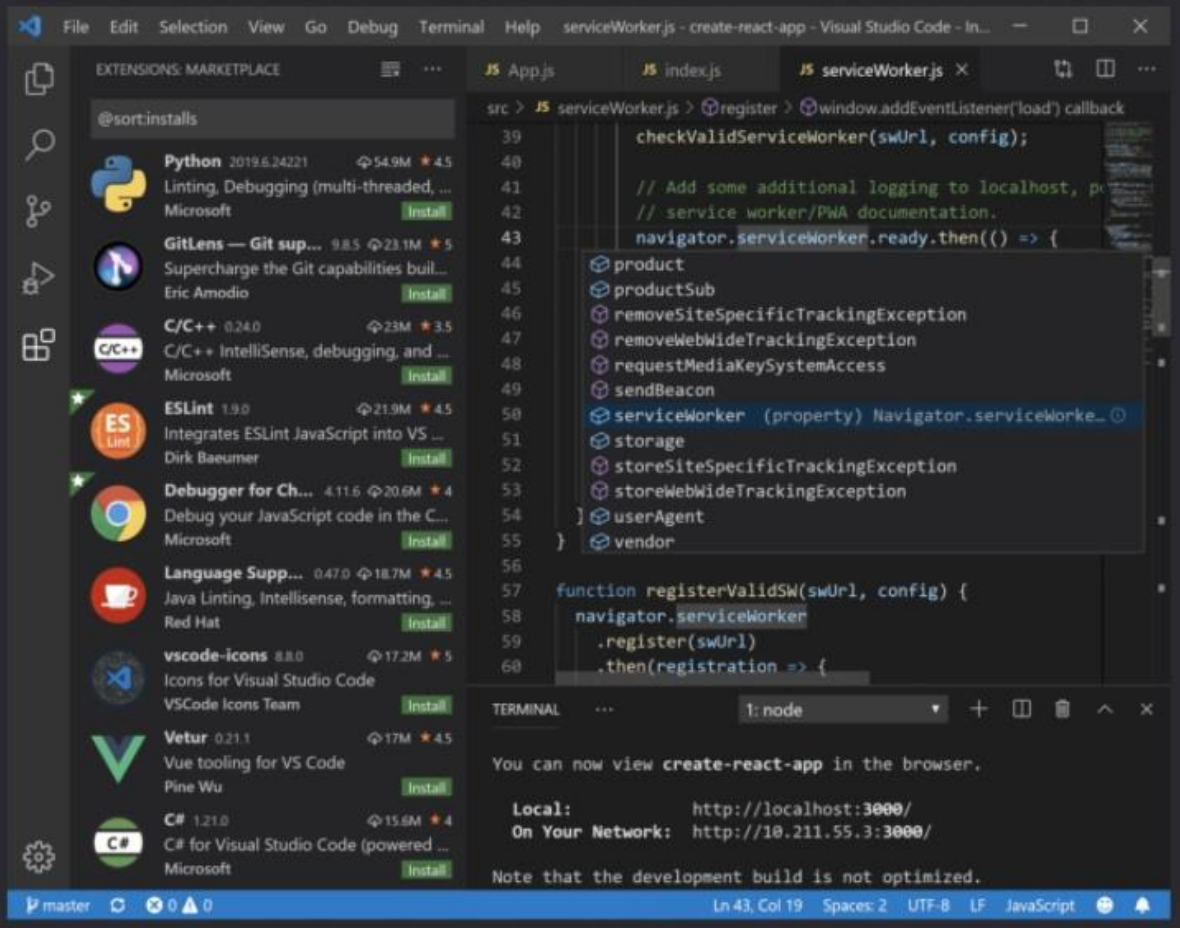
Code editing. Redefined.

Free. Built on open source. Runs everywhere.

Download for Windows
Stable Build

		Stable	Insiders
macOS	Package		
Windows x64	User Installe		
Linux x64	.deb		
	.rpm		

Other downloads



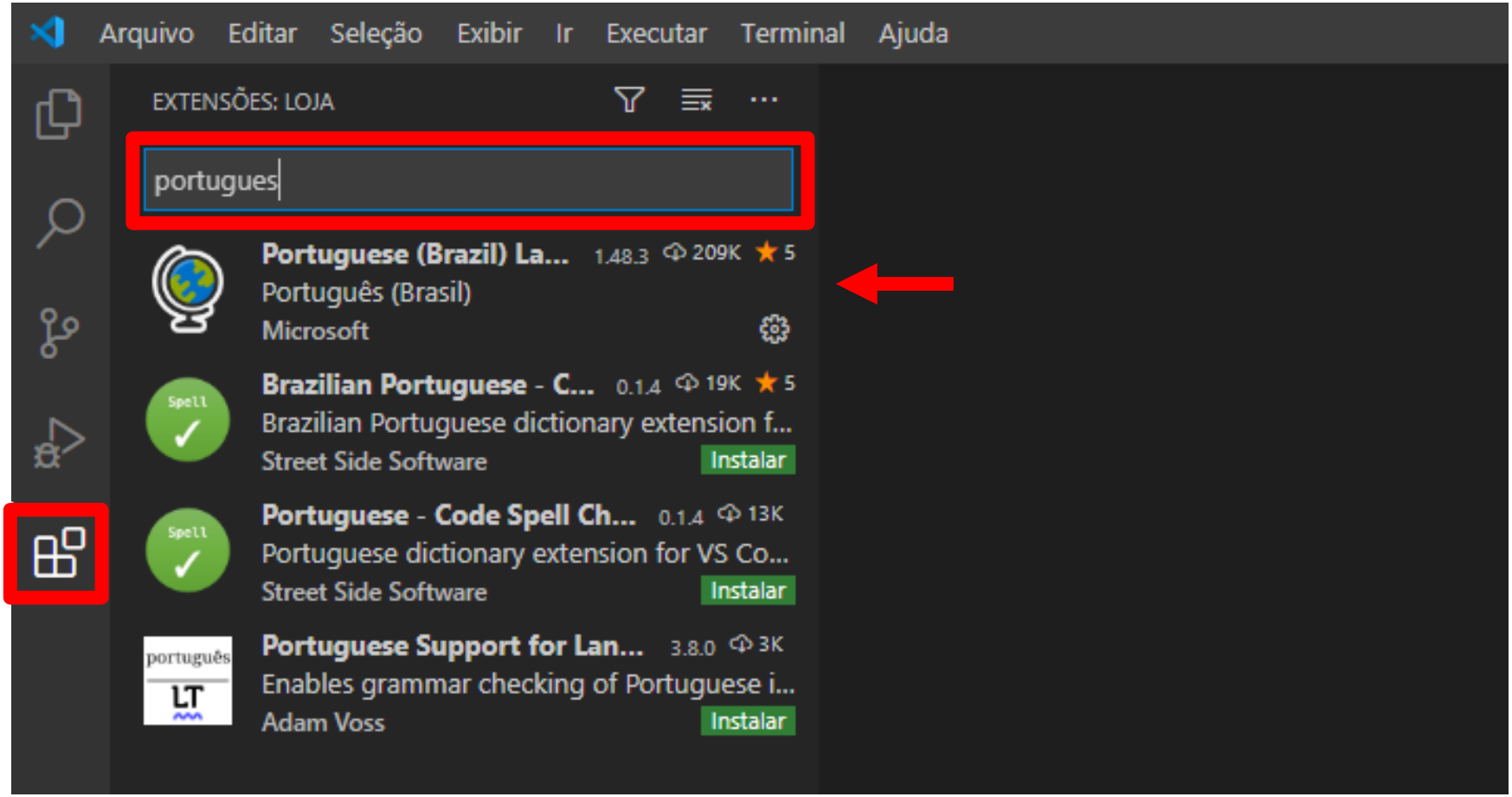
IntelliSense

Run and Debug

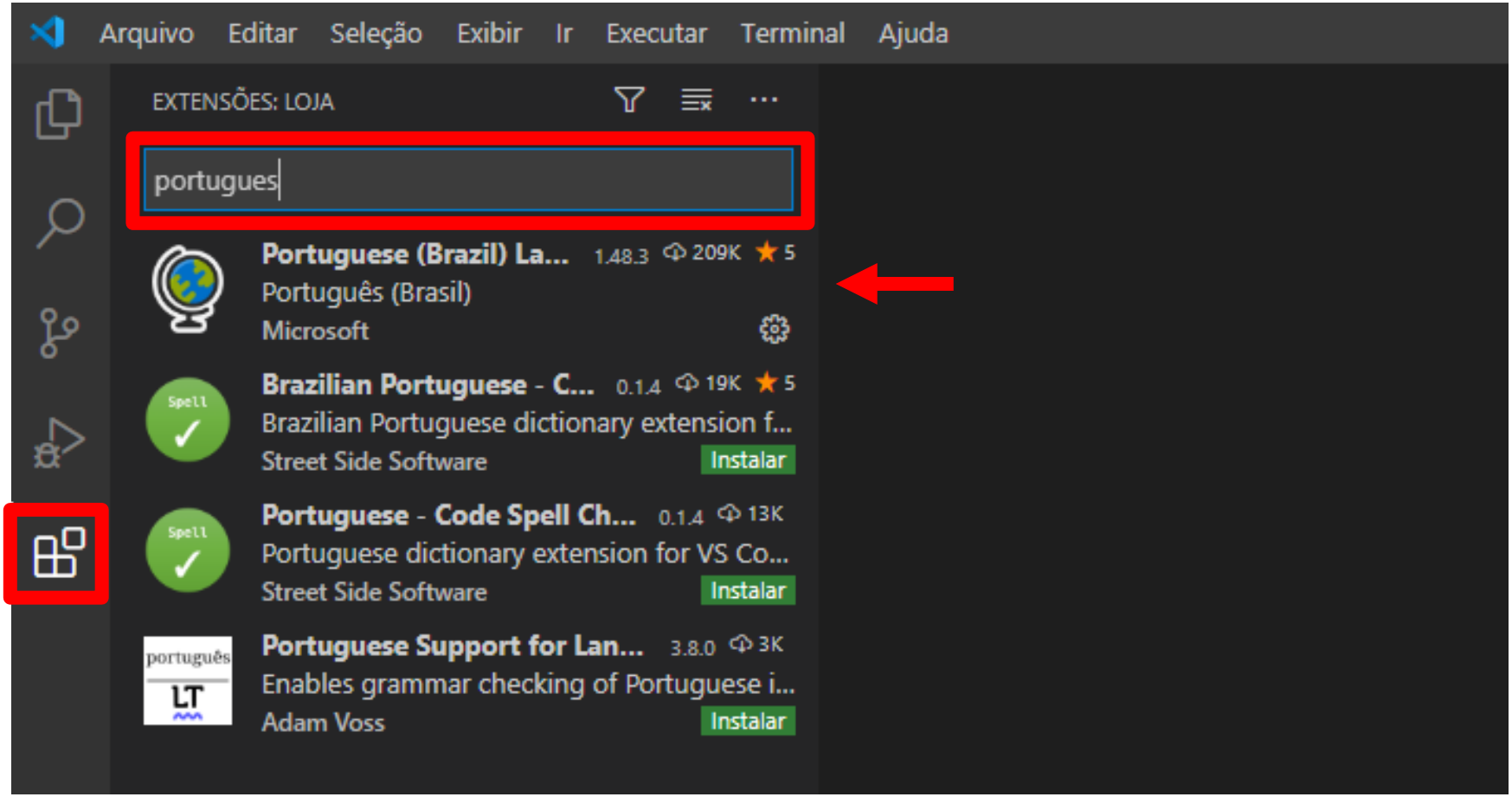
Built-in Git

Extensions

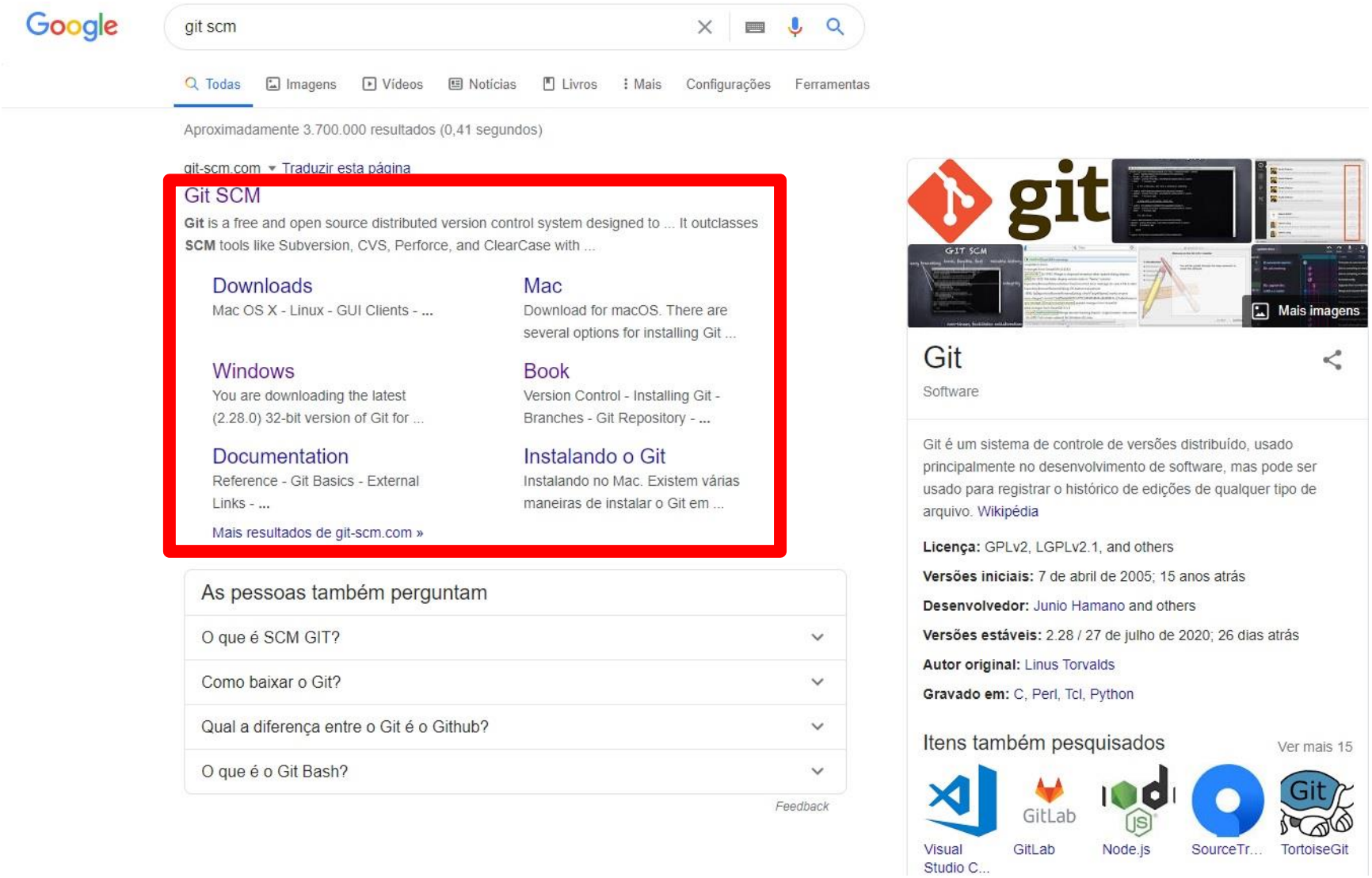
Instalação – Visual Studio Code



Instalação – Visual Studio Code



Instalação – Git



Instalação – Git

git --distributed-is-the-new-centralized

Search entire site...

Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

Git is easy to learn and has a tiny footprint with lightning fast performance. It outclasses SCM tools like Subversion, CVS, Perforce, and ClearCase with features like cheap local branching, convenient staging areas, and multiple workflows.

About
The advantages of Git compared to other source control systems.

Documentation
Command reference pages, Pro Git book content, videos and other material.

Downloads
GUI clients and binary releases for all major platforms.

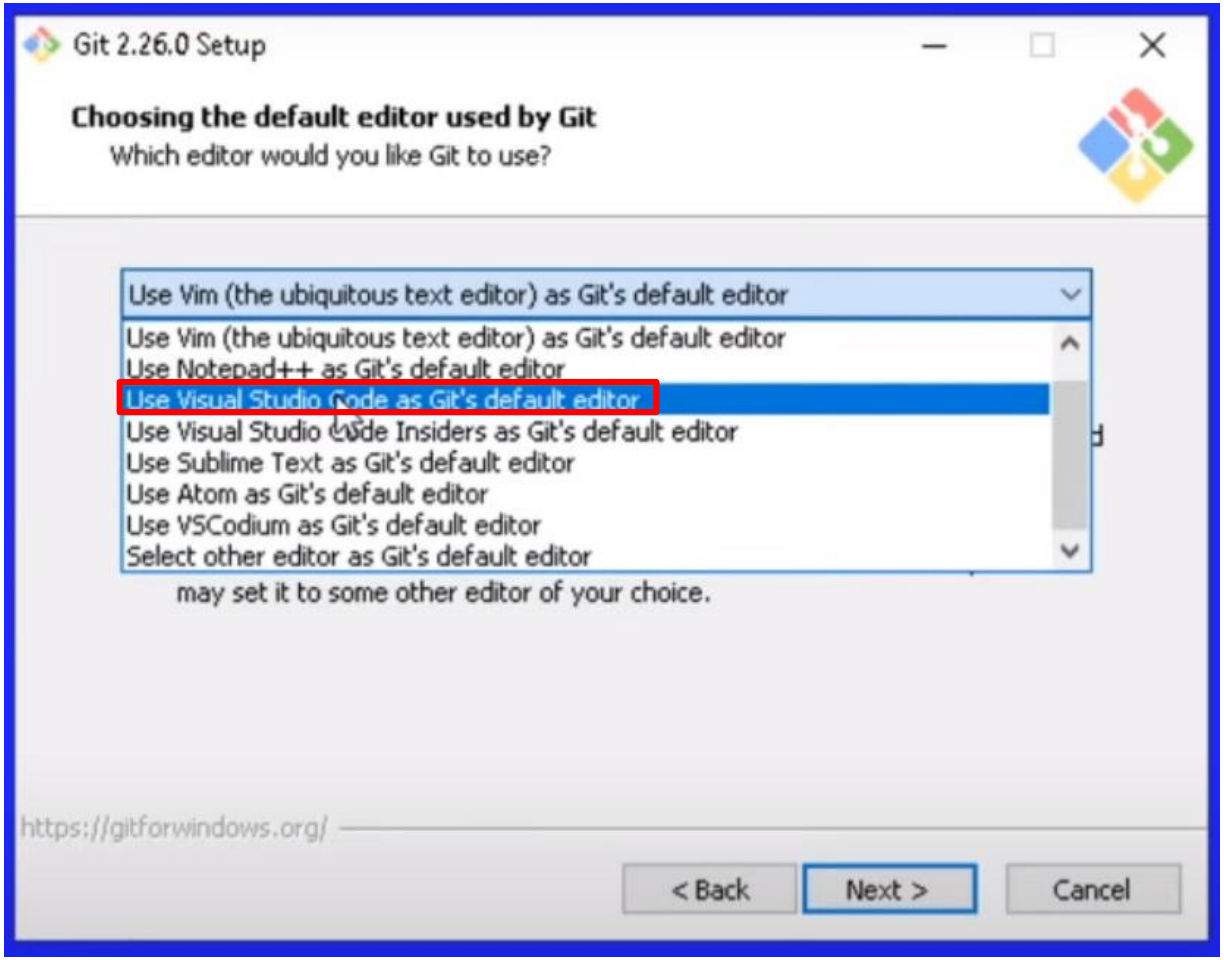
Community
Get involved! Bug reporting, mailing list, chat, development and more.

Pro Git by Scott Chacon and Ben Straub is available to read online for free. Dead tree versions are available on Amazon.com.

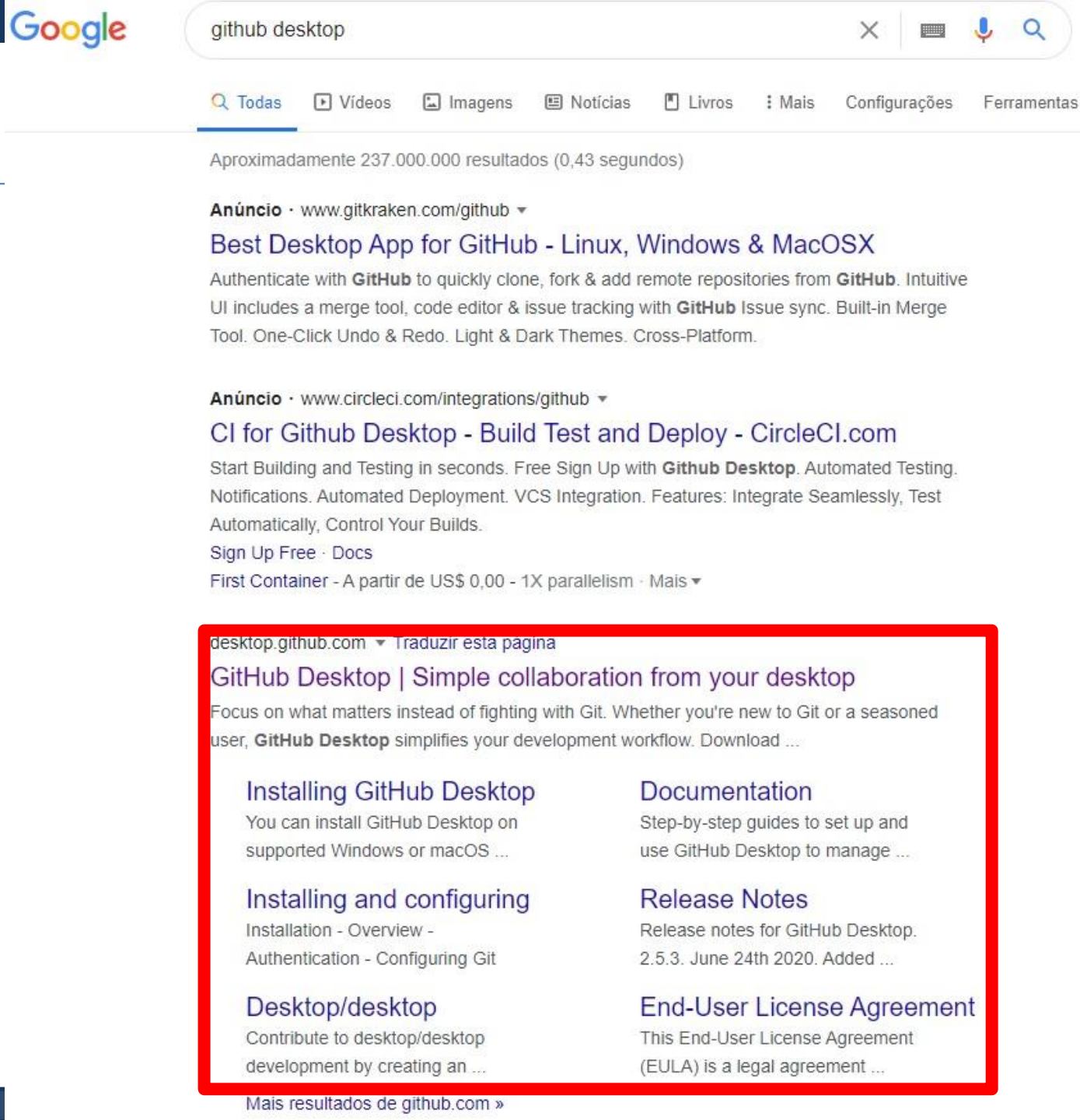
Windows GUIs Tarballs

Mac Build Source Code

Instalação – Git

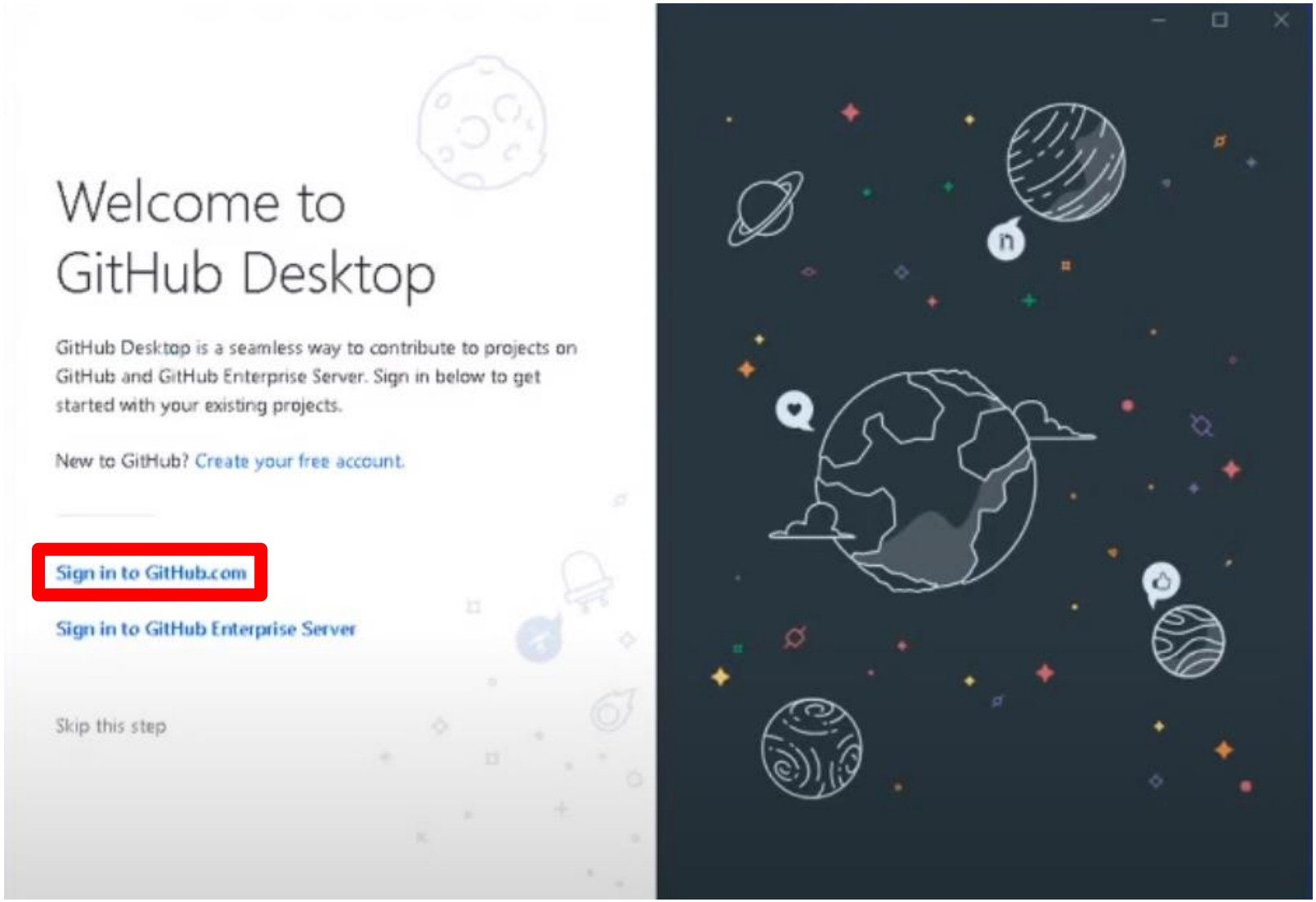


Instalação GitHub Desktop

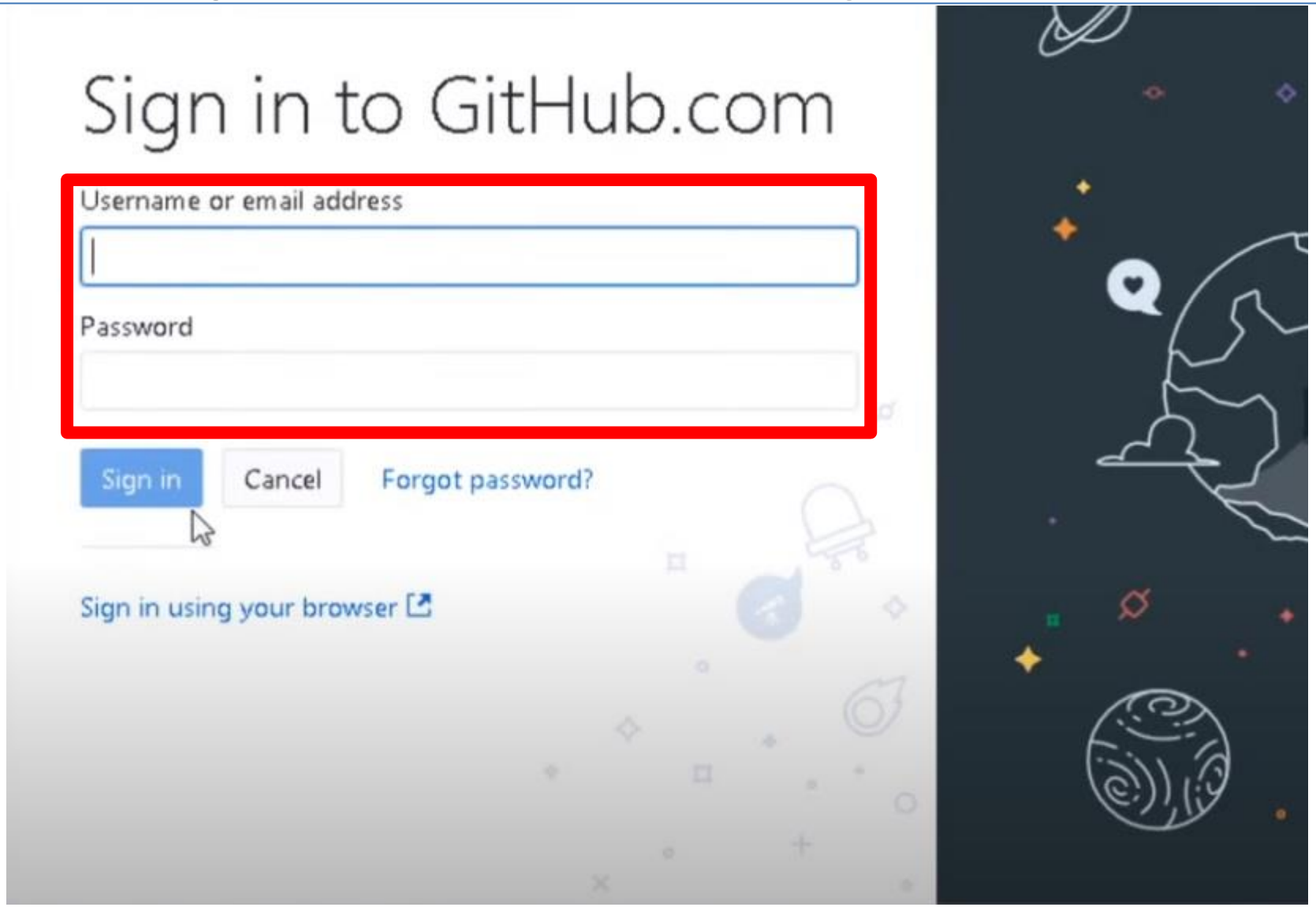


Instalação – GitHub Desktop

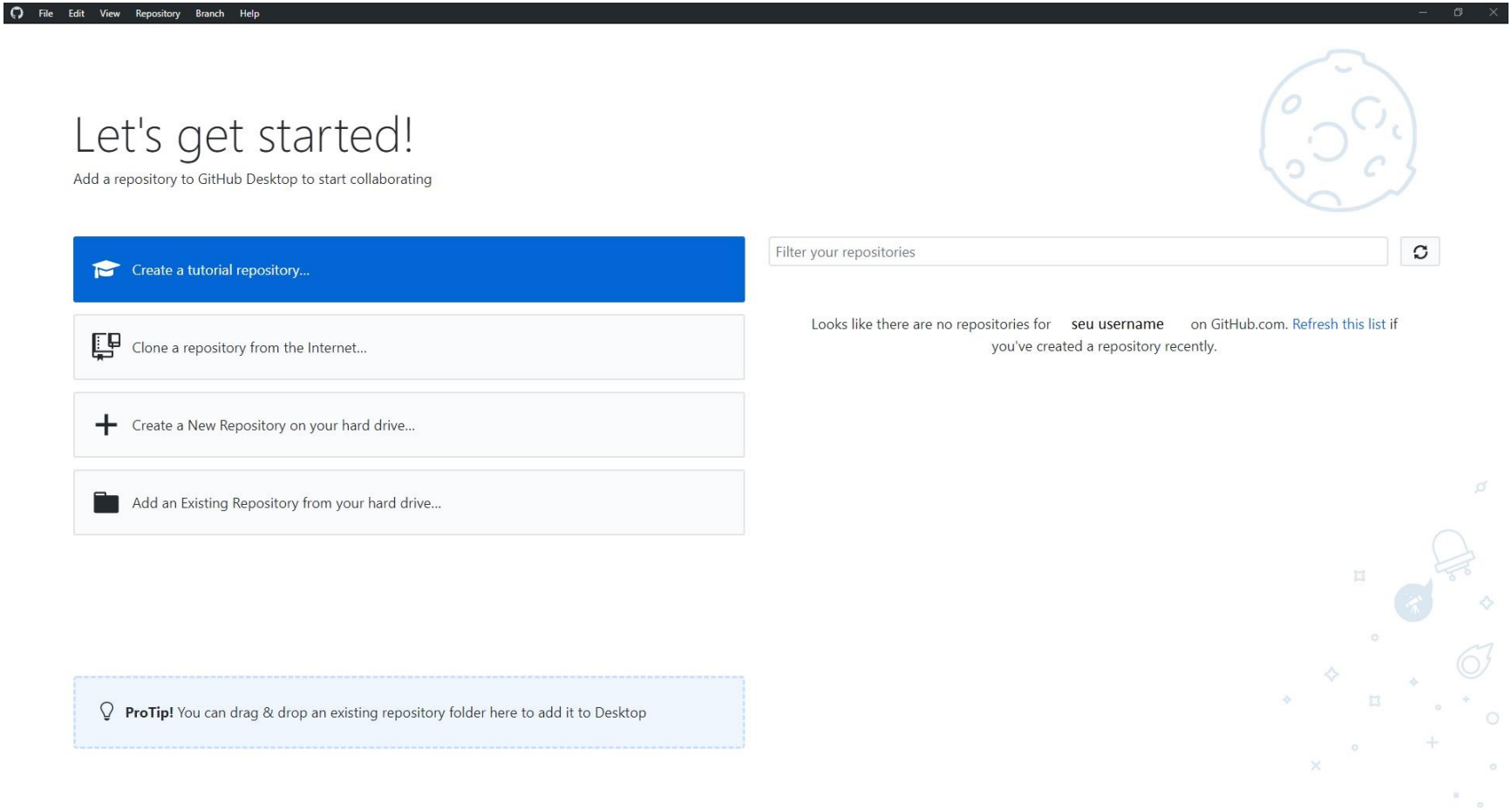
Instalação – GitHub Desktop



Instalação – GitHub Desktop



Instalação – GitHub Desktop



Para a próxima aula:

Criar sua conta no GitHub e instalar os softwares indicados nesta aula.