



# Visual Studio Code

.NET EXTENSIONS





# Cultura ágil de aprendizado



#### **MICROLEARNING:**

 É uma metodologia de ensino que subdivide um assunto em doses menores de conteúdo, com atividades rápidas, auxiliando na compreensão e retenção deste conteúdo.

#### **PÍLULAS DO CONHECIMENTO:**

- São pequenos conteúdos apresentados ao profissional para que consiga assimilar de forma mais focada e objetiva, melhorando a eficiência e potencializando os resultados obtidos.
- Microlearning é composto por diversas Pílulas do Conhecimento.



# Introduction



# Visual Studio Code

É o **editor de código-fonte mais utilizado** no mundo desde 2018, com mais de 70% em popularidade, segundo a "**Stack Overflow Developer Survey**".

#### Pontos em destaque:

- Software livre, gratuito e de código aberto;
- Multiplataforma, podendo ser utilizado no Linux, macOS e Windows;
- Suporta várias linguagens de programação, tais como: C#, C++, C, Java, JavaScript, Go,
   Python, dentre outras;
- Inclui suporte para debugging, syntax highlighting, IntelliSense (intelligent code completion), snippets, code refactoring, source control (Git/SVN) e extensions;
- Customizável, pode ser estendido através de plugins (extensions) disponíveis através de um repositório central (marketplace);
- Foi anunciado pela primeira vez em 2015, pela Microsoft, sob a licença MIT e seu código-fonte é disponibilizado no GitHub.





# Getting Started!



Documentação

code visualstudio com/docs

Instalação

code.visualstudio.com/download

Marketplace (extensões)

marketplace.visualstudio.com

Debugging

code.visualstudio.com/docs/editor /debugging

code.visualstudio.com/api/extens on-guides/debugger-extension Código-fonte (GitHub)

github.com/microsoft/vscode



# C# Extensions



Visual Studio Code > Programming Languages > C#



### C#

Microsoft 🙋 | 📥 19,679,413 installs | ★★★ 🛪 (423) | Free

C# for Visual Studio Code (powered by OmniSharp).

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install ms-dotnettools.csharp

Copy

More Info

marketplace.visualstudio.com/items?itemName=ms-dotnettools.csharp



Visual Studio Code > Programming Languages > .NET Extension Pack



## .NET Extension Pack

Microsoft 

| 
| 
| 
| 345,491 installs | 
| 
| 
| 
| 
| 
| 
| 
| 
| 
| (3) | Free

The ultimate collection of extensions for working with .NET in VS Code!

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install ms-dotnettools.vscode-dotnet-pack

Copy

More Info

marketplace.visualstudio.com/items?itemName=ms-dotnettools.vscode-dotnet-pack



Visual Studio Code > Extension Packs > .NET Core Extension Pack



### .NET Core Extension Pack

Will 保哥 | ≟ 173,766 installs | ★★★★★ (41) | Free

Popular Visual Studio Code extensions for .NET Core Development

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install doggy8088.netcore-extension-pack

Copy

More Info

marketplace.visualstudio.com/items?itemName=doggy8088.netcore-extension-pack



Visual Studio Code > Extension Packs > C# .Net Core Extension Pack



### C# .Net Core Extension Pack

Jorge Rojas | ≟ 17,900 installs | ★★★★ (1) | Free

15 extensiones indispensables para programar con C# y .NET Core

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install jolhe.csharp-netcore-extensionpack

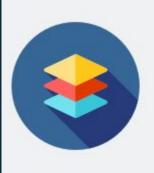
Copy

More Info

marketplace.visualstudio.com/items?itemName=jolhe.csharp-netcore-extensionpack



#### Visual Studio Code > Programming Languages > C# Extensions



### C# Extensions

jchannon | ≟ 1,590,980 installs | ★★★★ (23) | Free

C# IDE Extensions for VSCode

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install jchannon.csharpextensions Copy

marketplace.visualstudio.com/items?itemName=kreativ-software.csharpextensions

More Info



Visual Studio Code > Extension Packs > Super Sharp (C# extensions)



# Super Sharp (C# extensions)

craigthomas | ± 149,540 installs | ★★★★★ (2) | Free

Some handy refactoring extensions for C#

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

marketplace.visualstudio.com/items?itemName=craigthomas.supersharp



Visual Studio Code > Snippets > ASP.NET Core Snippets



## **ASP.NET Core Snippets**

rahulsahay | ± 150,029 installs | ★★★★★ (6) | Free

Handy Csharp snippets for ASP.NET Core. Like you can type HomeController, Startup, ProgramFile and many more starts with mvc-, app- and then hit tab.

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install rahulsahay.Csharp-ASPNETCore Copy More Info

marketplace.visualstudio.com/items?itemName=rahulsahay.Csharp-ASPNETCore



Visual Studio Code > Programming Languages > Auto-Using for C#



# Auto-Using for C#

Fudge | ₹ 422,139 installs | ★★★★ (21) | Free

Provides intellisense for and imports references from all available sources.

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

marketplace.visualstudio.com/items?itemName=Fudge.auto-using



Visual Studio Code > Programming Languages > C# Format Usings



## **C# Format Usings**

Shan Gao | ≟ 13,411 installs | ★★★★ (1) | Free

Sort C# using statements and remove unnecessary usings

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install gaoshan0621.csharp-format-usings

Copy

More Info

marketplace.visualstudio.com/items?itemName=gaoshan0621.csharp-format-usings



Visual Studio Code > Other > .NET Core Add Reference



### .NET Core Add Reference

Adrian Wilczyński | ± 151,690 installs | ★★★★ (2) | Free

Add or remove references of your .NET Core projects.

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install adrianwilczynski.add-reference

Copy

More Info

marketplace.visualstudio.com/items?itemName=adrianwilczynski.add-reference



Visual Studio Code > Programming Languages > C# Namespace Autocompletion



## C# Namespace Autocompletion

Adrian Wilczyński | ± 270,621 installs | ★★★★ (4) | Free

Full namespace autocompletion for C#

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install adrianwilczynski.namespace

Copy

More Info

marketplace.visualstudio.com/items?itemName=adrianwilczynski.namespace



Visual Studio Code > Other > vscode-solution-explorer



## vscode-solution-explorer

Fernando Escolar | ± 413,400 installs | ★★★★ (42) | Free

Visual Studio .sln file explorer for Visual Studio Code

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install fernandoescolar.vscode-solution-explorer

Copy

More Info

marketplace.visualstudio.com/items?itemName=fernandoescolar.vscode-solution-explorer



Visual Studio Code > Programming Languages > .NET Core Tools



### .NET Core Tools

Jun Han | ≟ 409,105 installs | ★★★★ (5) | Free

Fast way to build, run and test .NET Core (C#, F#) project

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

marketplace.visualstudio.com/items?itemName=formulahendry.dotnet



Visual Studio Code > Programming Languages > MSBuild project tools

\*\*/\*.proj

## MSBuild project tools

tintoy | ± 399,448 installs | ★★★★★ (12) | Free

Tools for working with MSBuild project files (such as auto-complete for package lds / versions).

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install tintoy.msbuild-project-tools Copy More Info

marketplace.visualstudio.com/items?itemName=tintoy.msbuild-project-tools



Visual Studio Code > Other > C# XML Documentation Comments



### **C# XML Documentation Comments**

Keisuke Kato | ± 922,356 installs | ★★★★★ (30) | Free | ♥ Sponsor

Generate C# XML documentation comments for ///

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install k--kato.docomment Copy

marketplace.visualstudio.com/items?itemName=k--kato.docomment



Visual Studio Code > Other > C# Colors

178, 255, 255, 255); 242, 255, 132); 0x0000000); DodgerBlue; .ControlLight);

### C# Colors

Highlight C# colors in your editor

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install logerfo.csharp-colors

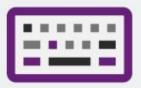
Copy

More Info

marketplace.visualstudio.com/items?itemName=logerfo.csharp-colors



Visual Studio Code > Keymaps > Visual Studio Keymap



## Visual Studio Keymap

Microsoft 👶 | 📥 483,536 installs | ★★★★ (35) | Free

Popular Visual Studio keybindings for VS Code.

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install ms-vscode.vs-keybindings Copy

marketplace.visualstudio.com/items?itemName=ms-vscode.vs-keybindings

More Info



# Test Extensions



Visual Studio Code > Programming Languages > .NET Core Test Explorer



## .NET Core Test Explorer

Jun Han | ₹ 536,568 installs | ★★★★ (40) | Free

Test Explorer for .NET Core (MSTest, xUnit, NUnit)

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install formulahendry.dotnet-test-explorer

Copy

More Info

marketplace.visualstudio.com/items?itemName=formulahendry.dotnet-test-explorer



Visual Studio Code > Other > Test Explorer UI



## **Test Explorer UI**

Holger Benl | ± 2,035,510 installs | ★★★★ (24) | Free

Run your tests in the Sidebar of Visual Studio Code

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install hbenl.vscode-test-explorer Copy

More Info

marketplace.visualstudio.com/items?itemName=hbenl.vscode-test-explorer



Visual Studio Code > Other > Test Adapter Converter



## **Test Adapter Converter**

Microsoft 🐉 | 📥 1,531,433 installs | ★★★★ (1) | Free

Converter extension from the Test Adapter UI to native VS Code testing

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install ms-vscode.test-adapter-converter

Copy

More Info

marketplace.visualstudio.com/items?itemName=ms-vscode.test-adapter-converter



Visual Studio Code > Other > Coverage Gutters



## **Coverage Gutters**

ryanluker | ± 233,531 installs | ★★★★ (24) | Free

Display test coverage generated by Icov or xml - works with many languages

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install ryanluker.vscode-coverage-gutters

Copy

More Info

marketplace.visualstudio.com/items?itemName=ryanluker.vscode-coverage-gutters



# Database Extensions



Visual Studio Code > Programming Languages > SQL Server (mssql)

Microsoft SQL Server

## SQL Server (mssql)

Develop Microsoft SQL Server, Azure SQL Database and SQL Data Warehouse everywhere

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install ms-mssql.mssql Copy More Info

marketplace.visualstudio.com/items?itemName=ms-mssql.mssql



Visual Studio Code > Programming Languages > PostgreSQL



# **PostgreSQL**

Preview





Develop Postgres everywhere

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install ms-ossdata.vscode-postgresql

Copy

More Info

marketplace.visualstudio.com/items?itemName=ms-ossdata.vscode-postgresql



Visual Studio Code > Programming Languages > Oracle Developer Tools for VS Code (SQL and PLSQL)



## Oracle Developer Tools for VS Code (SQL and PLSQL)

Oracle Corporation |  $\pm$  305,883 installs |  $\star\star\star\star\star$  (79) | Free

Develop SQL and PL/SQL with Oracle Database and Oracle Autonomous Database

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install Oracle.oracledevtools Copy More Info

marketplace.visualstudio.com/items?itemName=Oracle.oracledevtools



Visual Studio Code > Programming Languages > MySQL Shell for VS Code



## MySQL Shell for VS Code

Oracle Corporation | ± 18,978 installs | ★★★★ (12) | Free

The power of MySQL Shell as part of your VS Code workflow.

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install Oracle.mysql-shell-for-vs-code

Copy

More Info

marketplace.visualstudio.com/items?itemName=Oracle.mysql-shell-for-vs-code



# Git Extensions



Visual Studio Code > SCM Providers > GitLens — Git supercharged



### GitLens — Git supercharged

GitKraken Ø | ≛ 20,205,161 installs | ★★★★★ (661) | Free

Supercharge Git within VS Code — Visualize code authorship at a glance via Git blame annotations and CodeLens, seamlessly navigate and explore Git repositories, gain valuable insights via rich visualizations and powerful comparison commands, and so much more

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

marketplace.visualstudio.com/items?itemName=eamodio.gitlens



Visual Studio Code > Other > Git History



# **Git History**

**Don Jayamanne** | **≛** 7,623,208 installs | ★★★★ (147) | Free

View git log, file history, compare branches or commits

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install donjayamanne.githistory Copy

More Info

marketplace.visualstudio.com/items?itemName=donjayamanne.githistory



# Docker Extensions



Visual Studio Code > Programming Languages > Docker



# Docker

Microsoft 🧼 | 📥 20,884,965 installs | ★★★★ (79) | Free

Makes it easy to create, manage, and debug containerized applications.

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install ms-azuretools.vscode-docker

Copy

More Info

marketplace.visualstudio.com/items?itemName=ms-azuretools.vscode-docker



Visual Studio Code > Snippets > Kubernetes



## Kubernetes

Develop, deploy and debug Kubernetes applications

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install ms-kubernetes-tools.vscode-kubernetes-tools

Copy

More Info

marketplace.visualstudio.com/items?itemName=ms-kubernetes-tools.vscode-kubernetes-tools



Visual Studio Code > Other > Dev Containers



# **Dev Containers**

Preview

Open any folder or repository inside a Docker container and take advantage of Visual Studio Code's full feature set.

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install ms-vscode-remote.remote-containers

Copy

More Info

marketplace.visualstudio.com/items?itemName=ms-vscode-remote.remote-containers



# Quality Extensions



Visual Studio Code > Linters > SonarLint



## SonarLint

SonarLint is an IDE extension that helps you detect and fix quality issues as you write code in C, C++, Java, JavaScript, PHP, Python, HTML and TypeScript.

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install SonarSource.sonarlint-vscode Co

Copy

More Info

marketplace.visualstudio.com/items?itemName=SonarSource.sonarlint-vscode



Visual Studio Code > Other > .NET Core EditorConfig Generator



# .NET Core EditorConfig Generator

Will 保哥 | ≧ 58,416 installs | ★★★★★ (1) | Free

Generate a .editorconfig for Roslyn (C#) project

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install doggy8088.netcore-editorconfiggenerator

Copy

More Info

marketplace.visualstudio.com/items?itemName=dogqy8088.netcore-editorconfiggenerator



# AI Extensions



Visual Studio Code > Other > IntelliCode



# IntelliCode

Al-assisted development

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install VisualStudioExptTeam.vscodeintellicode

Copy

More Info

market place. visual studio.com/items? item Name = Visual Studio Expt Team. vscode in tellicode



Visual Studio Code > Other > GPT Coder



## **GPT Coder**

codista | ≟ 1,318 installs | ★★★★★ (5) | Free

Enhance your coding productivity with GPT Coder, a VSCode extension powered by OpenAl's GPT-3. With GPT Coder, you can write, refactor, decouple code and generate unit tests with ease. Boost your coding efficiency, install GPT Coder.

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

marketplace.visualstudio.com/items?itemName=codista.vscodewriter



# Common Extensions



Visual Studio Code > Themes > vscode-icons



## vscode-icons

VSCode Icons Team <a> | <a> ± 13,093,759 installs | ★★★★★ (422) | Free | ♥ Sponsor</a>

Icons for Visual Studio Code

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

marketplace.visualstudio.com/items?itemName=vscode-icons-team.vscode-icons



Visual Studio Code > Other > Path Intellisense



## Path Intellisense

Christian Kohler 💠 | 📥 8,976,877 installs | ★★★★ (112) | Free

Visual Studio Code plugin that autocompletes filenames

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install christian-kohler.path-intellisense

Copy

More Info

marketplace.visualstudio.com/items?itemName=christian-kohler.path-intellisense



Visual Studio Code > Other > Trailing Spaces



# **Trailing Spaces**

Shardul Mahadik | ≛ 1,264,171 installs | ★★★★ (49) | Free

Highlight trailing spaces and delete them in a flash!

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install shardulm94.trailing-spaces Copy

marketplace.visualstudio.com/items?itemName=shardulm94.trailing-spaces

More Info



Visual Studio Code > Other > Blank Line Organizer



# **Blank Line Organizer**

rintoj | ≛ 13,425 installs | ★★★★★ (3) | Free

Removes unnecessary blank lines and adds if needed

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install rintoj.blank-line-organizer More Info

marketplace.visualstudio.com/items?itemName=rintoj.blank-line-organizer



Visual Studio Code > Linters > Blank Line at the End of File



# Blank Line at the End of File

riccardoNovaglia | ± 23,557 installs | ★★★ \*\* \*\* (2) | Free

This extension will add a blank line at the end of your files when you save them!

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install riccardoNovaglia.missinglineendoffile

Copy

More Info

marketplace.visualstudio.com/items?itemName=riccardoNovaglia.missinglineendoffile



Visual Studio Code > Other > Paste JSON as Code



# Paste JSON as Code

quicktype | ± 1,529,259 installs | ★★★★ (42) | Free

Copy JSON, paste as Go, TypeScript, C#, C++ and more.

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

marketplace.visualstudio.com/items?itemName=quicktype.quicktype



Visual Studio Code > Other > VSCode AutoSave



# VSCode AutoSave

codista | ± 10,628 installs | ★★★★ (20) | Free

Save a file whenever there is no errors.

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install codista.vscode-autosave | Copy | More Info

marketplace.visualstudio.com/items?itemName=codista.vscode-autosave



Visual Studio Code > Other > learn-markdown



# learn-markdown

Microsoft <a> | <a> ≥ 260,907 installs | <a> ★ ★ ★ ★ </a> (6) | Free

Learn Markdown Extension

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

ext install docsmsft.docs-markdown Copy

opy More Info

marketplace.visualstudio.com/items?itemName=docsmsft.docs-markdown



Visual Studio Code > Programming Languages > learn-yaml



# learn-yaml

YAML schema validation and auto-completion for learn.microsoft.com authoring

#### Installation

Launch VS Code Quick Open (Ctrl+P), paste the following command, and press enter.

marketplace.visualstudio.com/items?itemName=docsmsft.docs-yaml



Visual Studio Code > Other > Edit csv



marketplace.visualstudio.com/items?itemName=janisdd.vscode-edit-csv

ext install janisdd.vscode-edit-csv

Copy



# Thanks!

- LinkedIn: linkedin.com/in/ricardo-galdino
- GitHub: github.com/ricardogaldino
- WhatsApp Group: devnews.com.br

