Lesson 04: Fast Local Development with VS Code

Start

Since the workflow of working online is quite slow we are going to set up a local development environment to be able to develop and test fast before publishing

<

>

🧠 Learning Objectives

- Set up a local development environment using VS Code
- Edit website files locally and preview changes instantly
- Use Git (via SourceTree) to commit and push changes
- Publish updates safely to GitHub Pages
- Use AI assistance inside the editor in a controlled and responsible way

🎯 These objectives describe real development skills used in professional environments.

🎯 Deliverables

✓ A local copy of your website repository on your computer

✓ A working local preview of your website using Live Server

✓ At least one local modification tested safely

✓ At least one commit with a clear message

✓ A successfully published update on GitHub Pages

🧠 If you can modify your site locally, test it, and publish it safely, you have succeeded.

< >

AI Learning Support for This Lesson

In this lesson, the AI tutor will support your local development workflow.

A guided prompt is available to help you understand and use professional tools. You can use it to help you:

- Understand the role of VS Code, Git, and GitHub Pages
- Clarify each step of the local development workflow
- Ask questions when something doesn't work as expected
- Make small, safe improvements to your code
- Review AI-generated suggestions before accepting them

💡 Use the AI to understand your workflow — always test locally before publishing. **Lesson Prompt.**

< >

Why Develop Locally?

Editing directly on GitHub is slow and risky.

Local development allows you to:

- Work faster
- See changes instantly
- Experiment without breaking your live site
- Use AI tools inside your editor

💡 This is how professionals work — even for simple websites.

Next

```
.project-card {
  background-color: #f5f55;
  border-radius: 8px;
  padding: 15px;
}
 h1 {
  color: #FABB00;
  font-size: 2.2em;
  margin-bottom: 10px}
}
 h2 {
  color: #33;
  margin top: 0;
}
```

Tools We Will Use

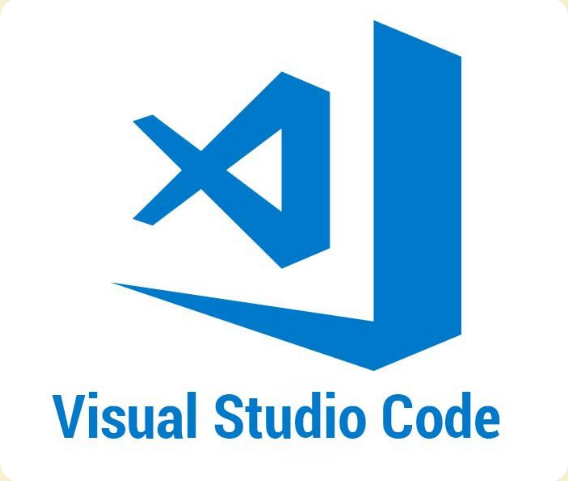
For this lesson we will use:

- **VS Code** → Code editor
- **SourceTree** → Git version control (visual)
- **Live Server** → Local web server
- **GitHub Pages** → Online publication
- **GitHub Copilot** → AI code assistant

🧠 You don't need to master them — just understand their role.

Next

Download and Install VS Code

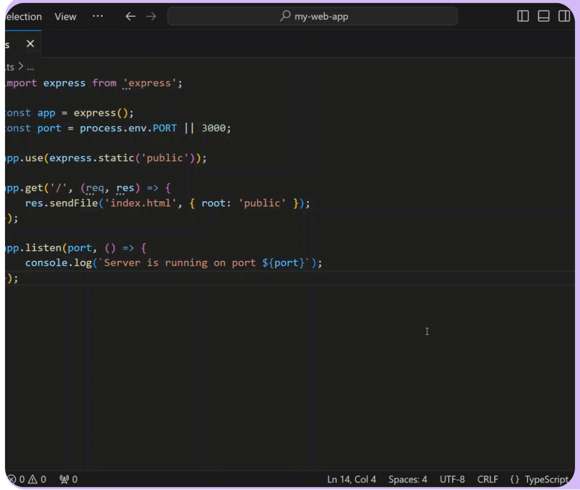


Visual Studio Code (VS Code) is a free code editor.
Steps:

1. Go to the official VS Code website
2. Download the version for your OS (Windows / macOS / Linux)
3. Install with default options

✓ VS Code will be your main working environment.

Download VS Code



```
mport express from 'express';

onst app = express();
onst port = process.env.PORT || 3000;

pp.use(express.static('public'));

pp.get('/', (req, res) => {
   res.sendFile('index.html', { root: 'public' });
);

pp.listen(port, () => {
   console.log(`Server is running on port ${port}`);
);
```

VS Code allows you to:

- Open your website files
- Edit HTML, CSS and Javascript code
- Use extensions
- Preview changes
- Work with AI assistants

🧠 Think of it as:
“A powerful text editor designed for developers”

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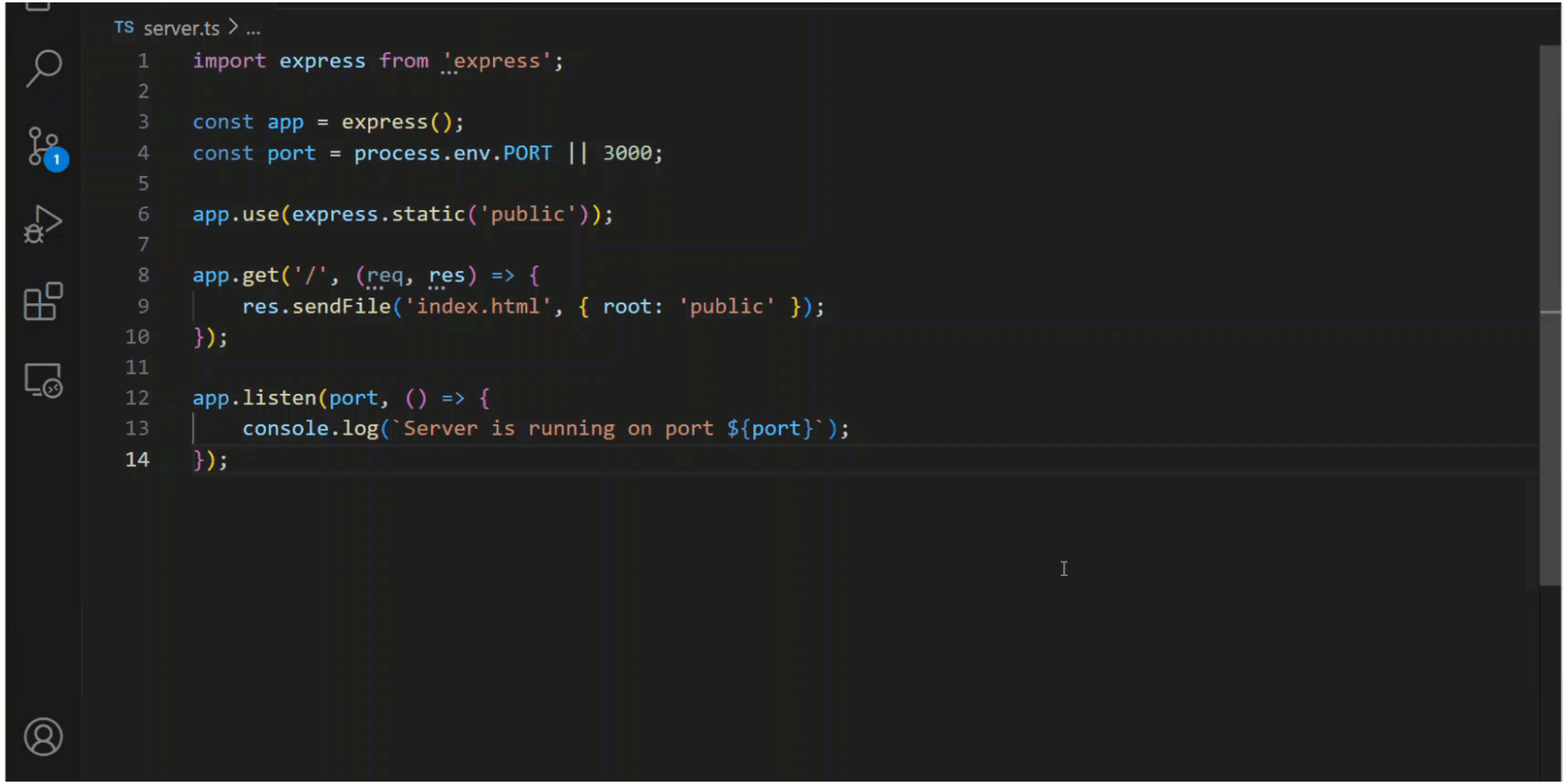
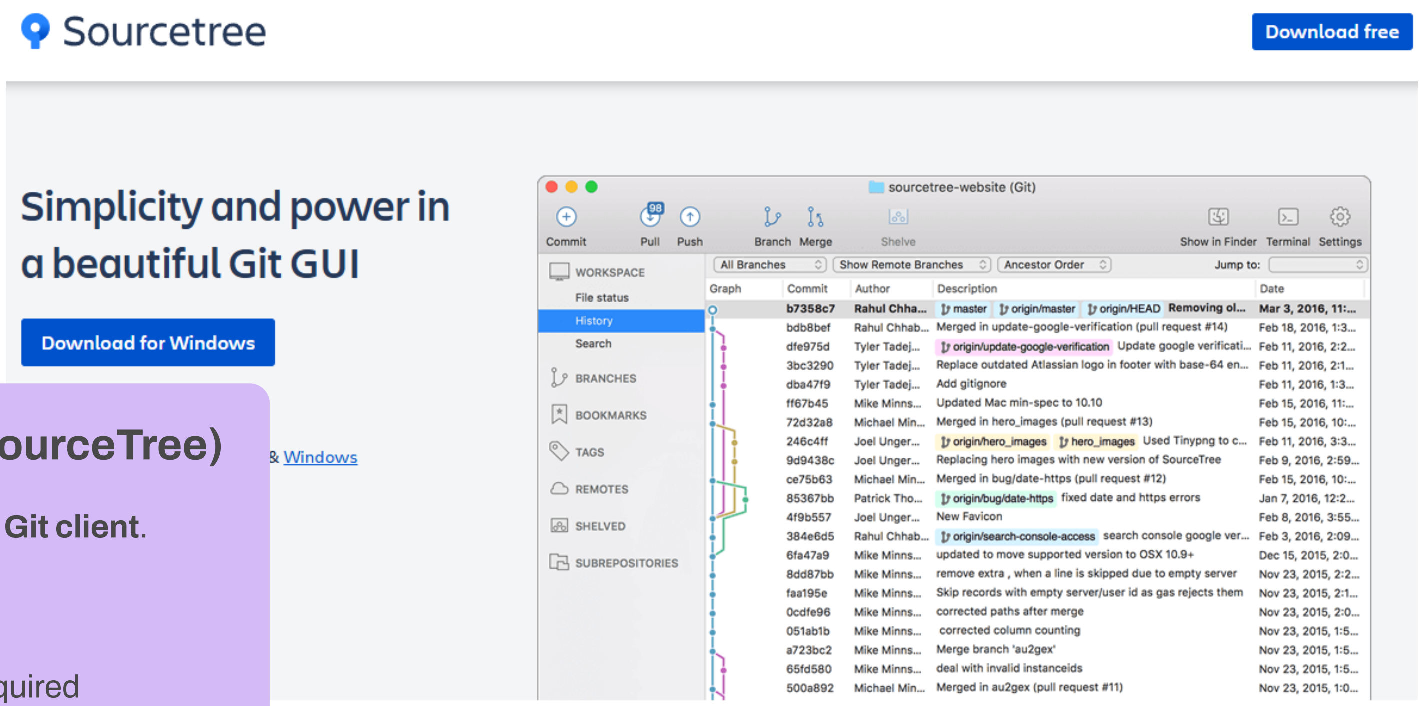
>



```
import express from 'express';

const app = express();
const port = process.env.PORT || 3000;

app.use(express.static('public'));

app.get('/', (req, res) => {
    res.sendFile('index.html', { root: 'public' });
});

app.listen(port, () => {
    console.log(`Server is running on port ${port}`);
});
```



Sourcetree

Download free

Simplicity and power in a beautiful Git GUI

Download for Windows

& Windows

sourcetree-website (Git)

Graph	Commit	Author	Description	Date
	b7358c7	Rahul Chha...	master origin/master origin/HEAD Removing ol...	Mar 3, 2016, 11:...
	bdb8bef	Rahul Chhab...	Merged in update-google-verification (pull request #14)	Feb 18, 2016, 1:3...
	dfe975d	Tyler Tadej...	origin/update-google-verification Update google verificati...	Feb 11, 2016, 2:2...
	3bc3290	Tyler Tadej...	Replace outdated Atlassian logo in footer with base-64 en...	Feb 11, 2016, 2:1...
	dba47f9	Tyler Tadej...	Add gitignore	Feb 11, 2016, 1:3...
	ff67b45	Mike Minns...	Updated Mac min-spec to 10.10	Feb 15, 2016, 11:...
	72d32a8	Michael Min...	Merged in hero_images (pull request #13)	Feb 15, 2016, 10:...
	246c4ff	Joel Unger...	origin/hero_images hero_images Used Tinypng to c...	Feb 11, 2016, 3:3...
	9d9438c	Joel Unger...	Replacing hero images with new version of SourceTree	Feb 9, 2016, 2:59...
	ce75b63	Michael Min...	Merged in bug/date-https (pull request #12)	Feb 15, 2016, 10:...
	85367bb	Patrick Tho...	origin/bug/date-https fixed date and https errors	Jan 7, 2016, 12:2...
	4f9b557	Joel Unger...	New Favicon	Feb 8, 2016, 3:55...
	384e6d5	Rahul Chhab...	origin/search-console-access search console google ver...	Feb 3, 2016, 2:09...
	6fa47a9	Mike Minns...	updated to move supported version to OSX 10.9+	Dec 15, 2015, 2:0...
	8dd87bb	Mike Minns...	remove extra , when a line is skipped due to empty server	Nov 23, 2015, 2:2...
	faa195e	Mike Minns...	Skip records with empty server/user id as gas rejects them	Nov 23, 2015, 2:1...
	0cdfe96	Mike Minns...	corrected paths after merge	Nov 23, 2015, 2:0...
	051ab1b	Mike Minns...	corrected column counting	Nov 23, 2015, 1:5...
	a723bc2	Mike Minns...	Merge branch 'au2gex'	Nov 23, 2015, 1:5...
	65fd580	Mike Minns...	deal with invalid instanceids	Nov 23, 2015, 1:5...
	500a892	Michael Min...	Merged in au2gex (pull request #11)	Nov 23, 2015, 1:0...

Version Control (SourceTree)

SourceTree is a **free visual Git client**.

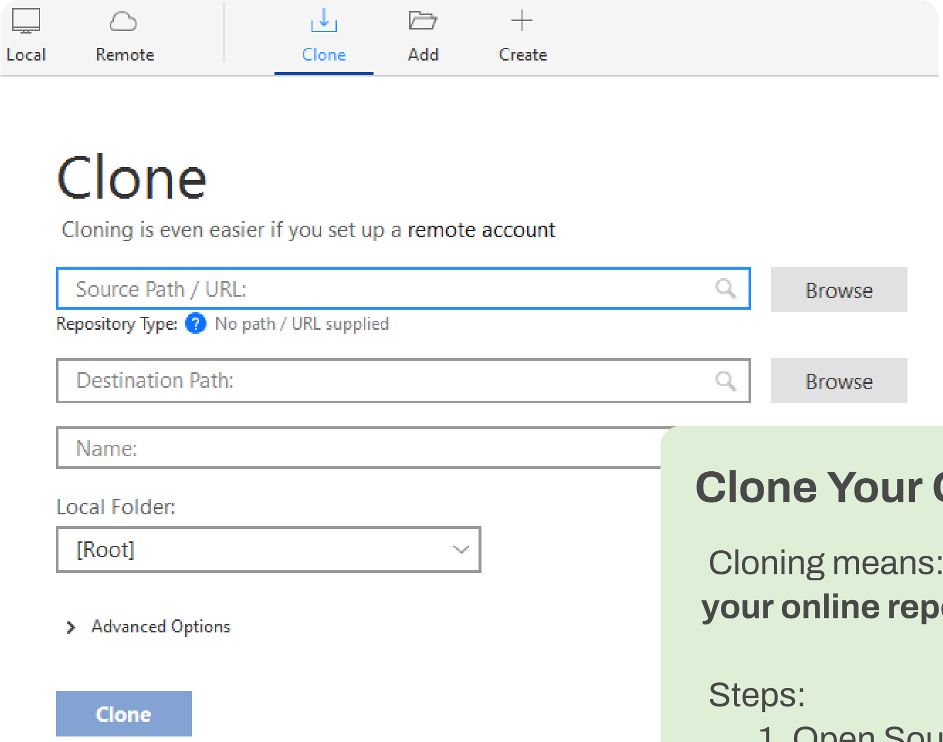
Why we use it:

- No command line required
- Easy to understand commits
- Safe interaction with GitHub

Steps:

1. Download SourceTree
2. Install it
3. Log in with your GitHub account

Next



Clone

Cloning is even easier if you set up a remote account

Source Path / URL:

Browse

Repository Type: ? No path / URL supplied

Destination Path:

Browse

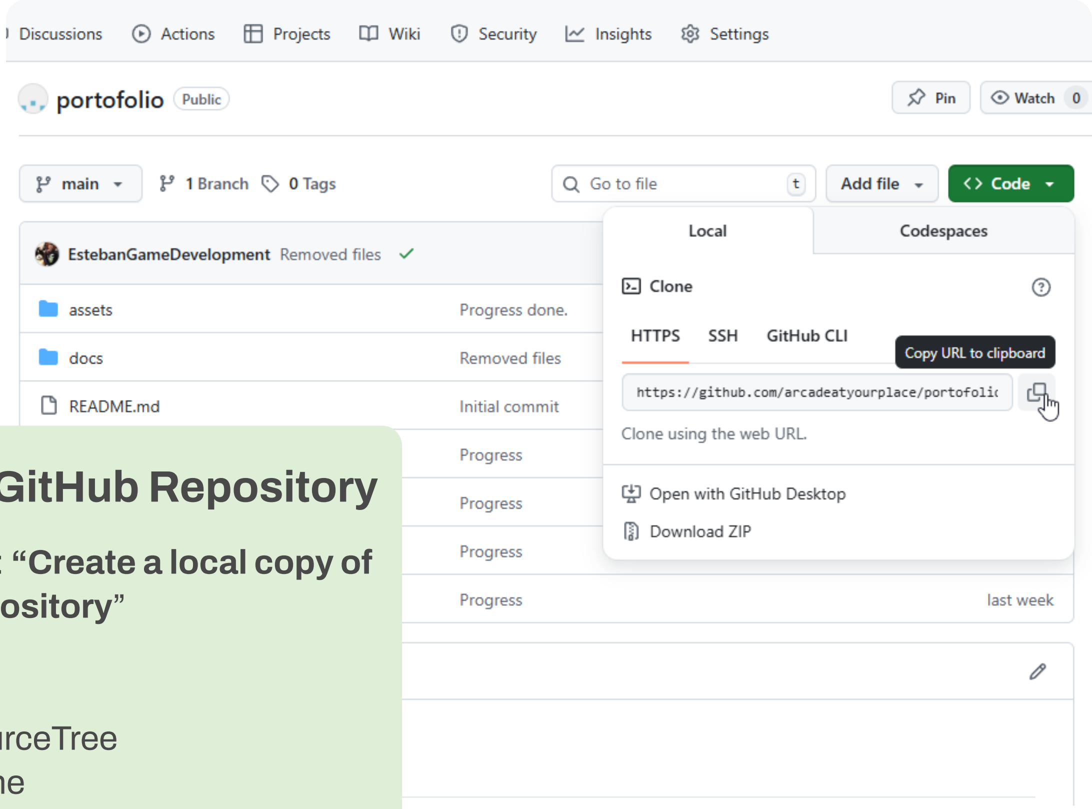
Name:

Local Folder:

[Root]

Advanced Options

Clone



portofolio Public

1 Branch 0 Tags

EstebanGameDevelopment Removed files ✓

assets	Progress done.	
docs	Removed files	
README.md	Initial commit	
	Progress	
	Progress	
	Progress	
	Progress	last week

Clone

https://github.com/arcadeatyourplace/portofolic

Clone using the web URL.

Open with GitHub Desktop

Download ZIP

Clone Your GitHub Repository

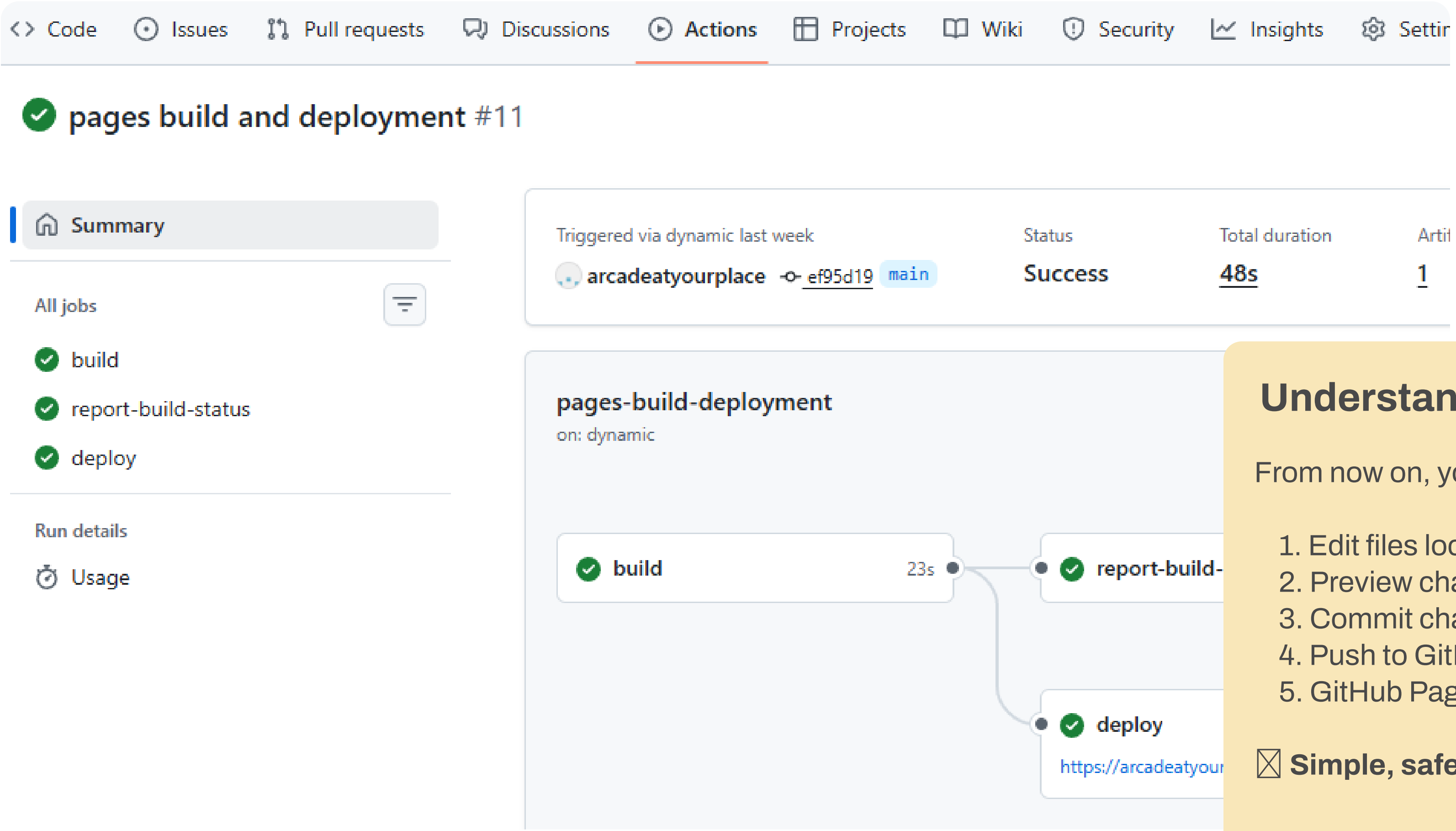
Cloning means: **“Create a local copy of your online repository”**

Steps:

1. Open SourceTree
2. Click Clone
3. Paste your GitHub repository URL
4. Choose a local folder
5. Clone

🎉 Now your website exists on your computer.

Next



pages build and deployment #11

Triggered via dynamic last week
arcadeatyourplace ef95d19 main

Status
Success

Total duration
48s

Artif
1

pages-build-deployment
on: dynamic

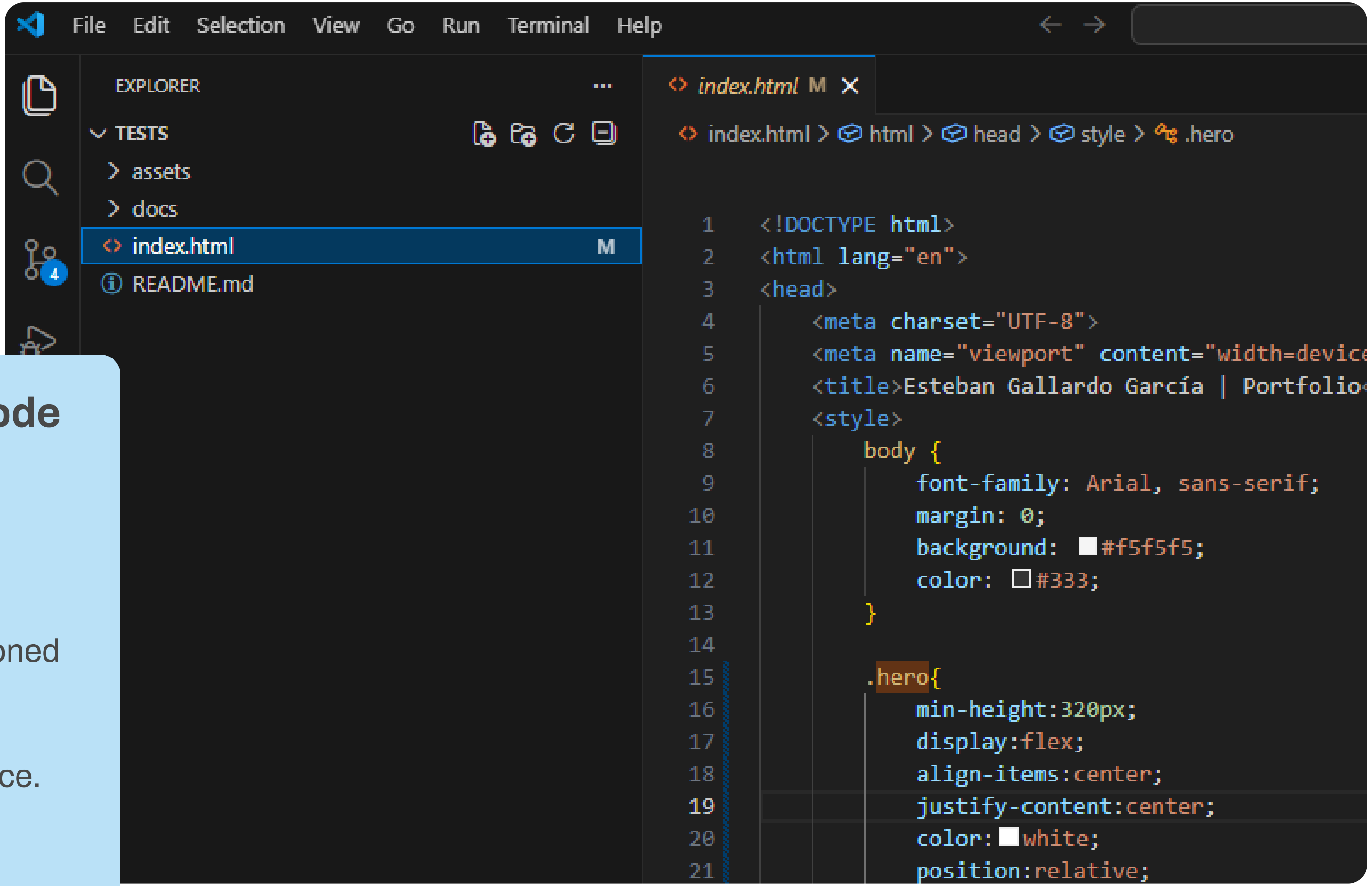
Understanding the Workflow

From now on, your workflow will be:

1. Edit files locally
2. Preview changes locally
3. Commit changes
4. Push to GitHub
5. GitHub Pages updates automatically

☒ **Simple, safe, and fast**.

Next



```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device
    <title>Esteban Gallardo García | Portfolio
    <style>
        body {
            font-family: Arial, sans-serif;
            margin: 0;
            background: #f5f5f5;
            color: #333;
        }

        .hero{
            min-height:320px;
            display:flex;
            align-items:center;
            justify-content:center;
            color:white;
            position:relative;
```

Open the Project in VS Code

Steps:

1. Open VS Code
2. Click Open Folder
3. Select the folder where you cloned the repository

This folder becomes your workspace.

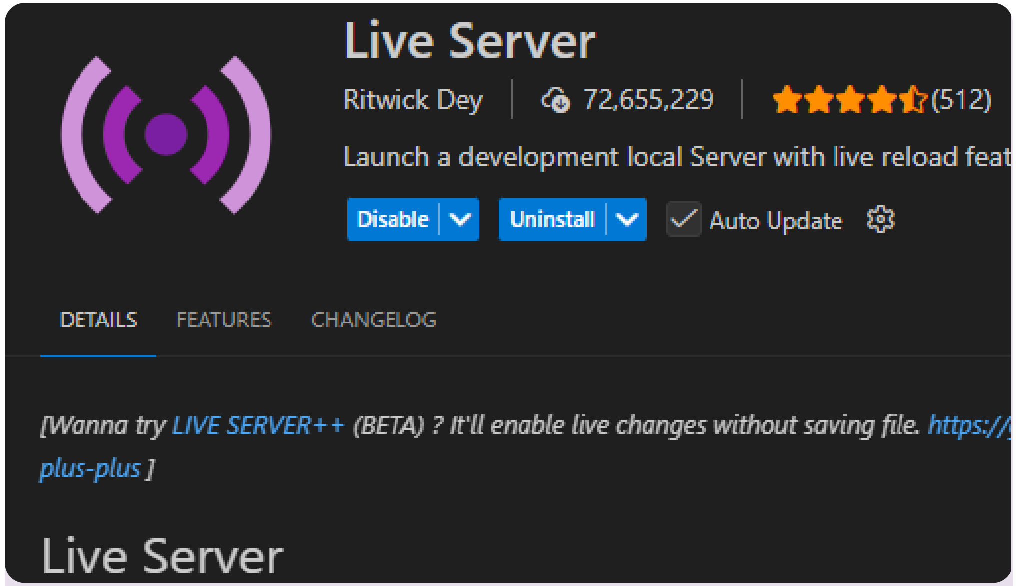
📂 You should see files like:

- index.html
- style.css (if present)

Next

<
>

Install the Live Server Extension



Live Server

Ritwick Dey | 72,655,229 | ★★★★☆ (512)

Launch a development local Server with live reload feat

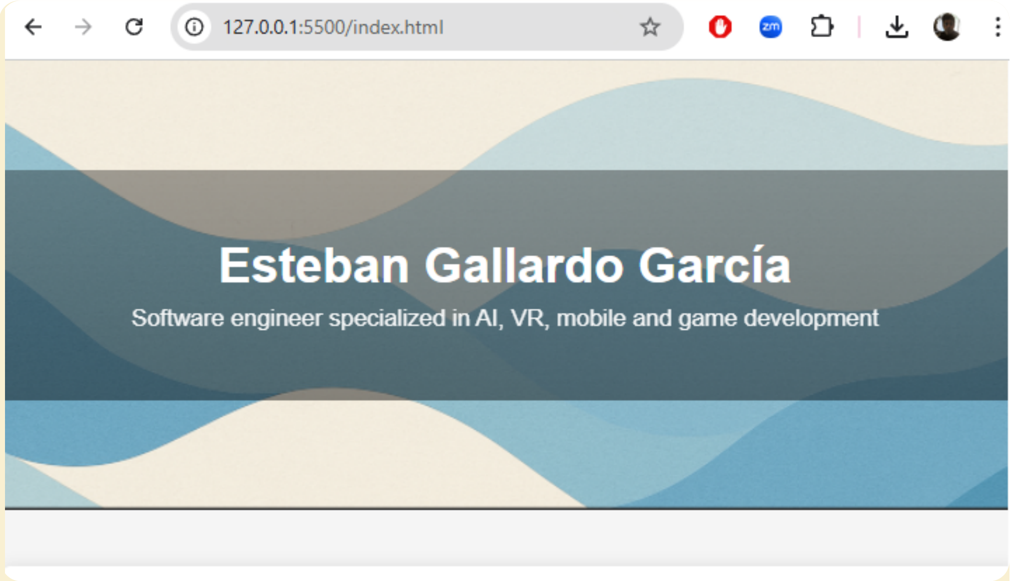
[Wanna try LIVE SERVER++ (BETA) ? It'll enable live changes without saving file. https://
plus-plus]

Live Server

Live Server allows you to:

- Open your website locally
- See changes instantly
- Avoid refreshing manually

Steps



127.0.0.1:5500/index.html

Esteban Gallardo García

Software engineer specialized in AI, VR, mobile and game development

Start the Live Server

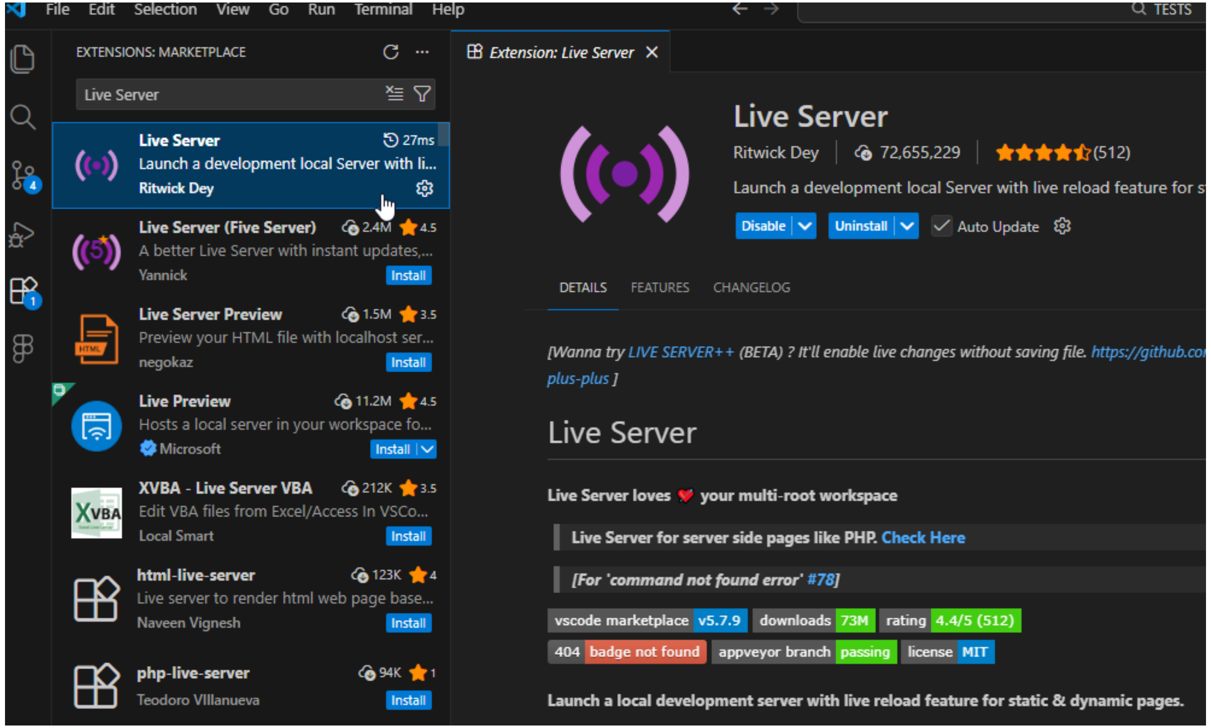
Steps:

1. Open index.html
2. Right-click inside the file
3. Click Open with Live Server

More

Steps:

1. Open Extensions in VS Code
2. Search for Live Server
3. Install it



Live Server 27ms
Launch a development local Server with li...
Ritwick Dey

Live Server (Five Server) 2.4M 4.5
A better Live Server with instant updates,...
Yannick
Install

Live Server Preview 1.5M 3.5
Preview your HTML file with localhost ser...
negokaz
Install

Live Preview 11.2M 4.5
Hosts a local server in your workspace fo...
Microsoft
Install

XVBA - Live Server VBA 212K 3.5
Edit VBA files from Excel/Access In VSCo...
Local Smart
Install

html-live-server 123K 4
Live server to render html web page base...
Naveen Vignesh
Install

php-live-server 94K 1
Teodoro VIllanueva
Install

Live Server

Ritwick Dey | 72,655,229 | (512)

Launch a development local Server with live reload feature for s

Disable | Uninstall | Auto Update

DETAILS FEATURES CHANGELOG

[Wanna try LIVE SERVER++ (BETA) ? It'll enable live changes without saving file. https://github.co plus-plus]

Live Server

Live Server loves ❤ your multi-root workspace

> **Live Server for server side pages like PHP. Check Here**

> ***[For 'command not found error' #78]***

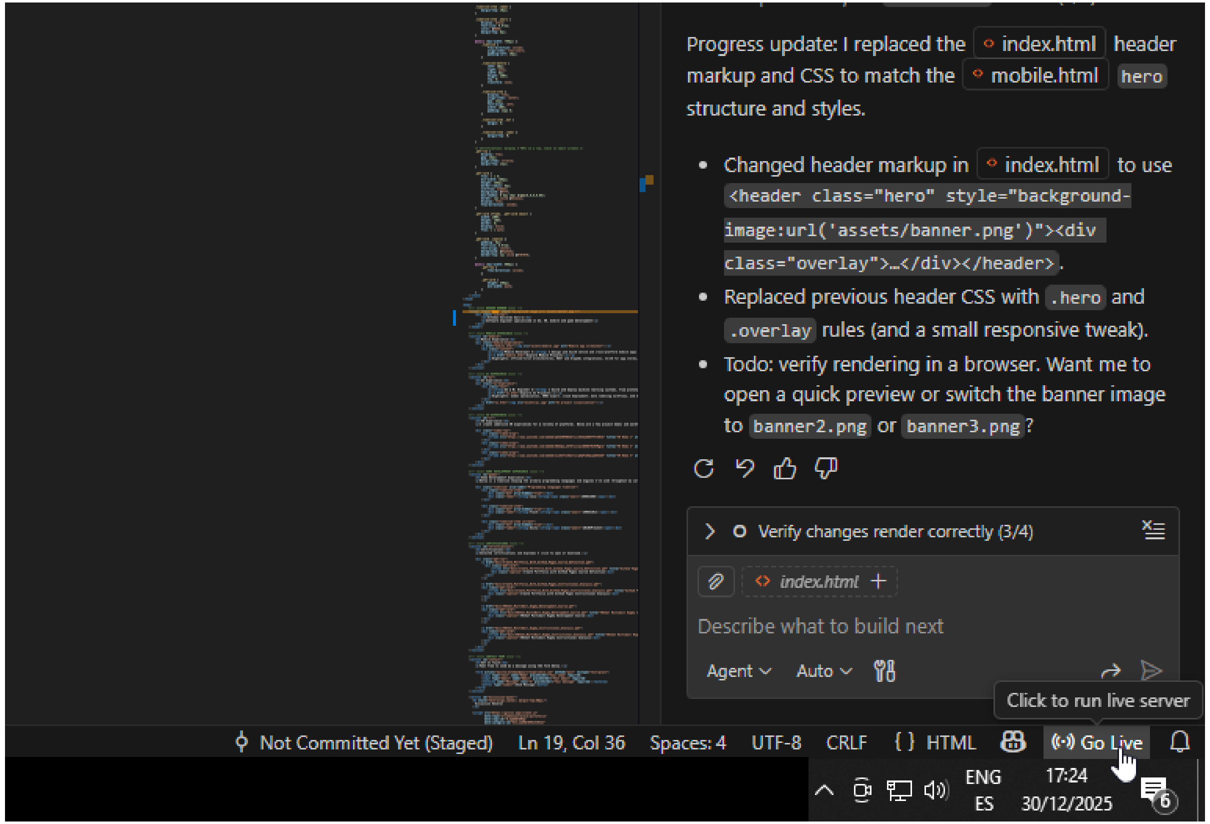
vscode marketplace v5.7.9 | downloads 73M | rating 4.4/5 (512)

404 badge not found | appveyor branch passing | license MIT

Launch a local development server with live reload feature for static & dynamic pages.

🌐 A browser window opens:

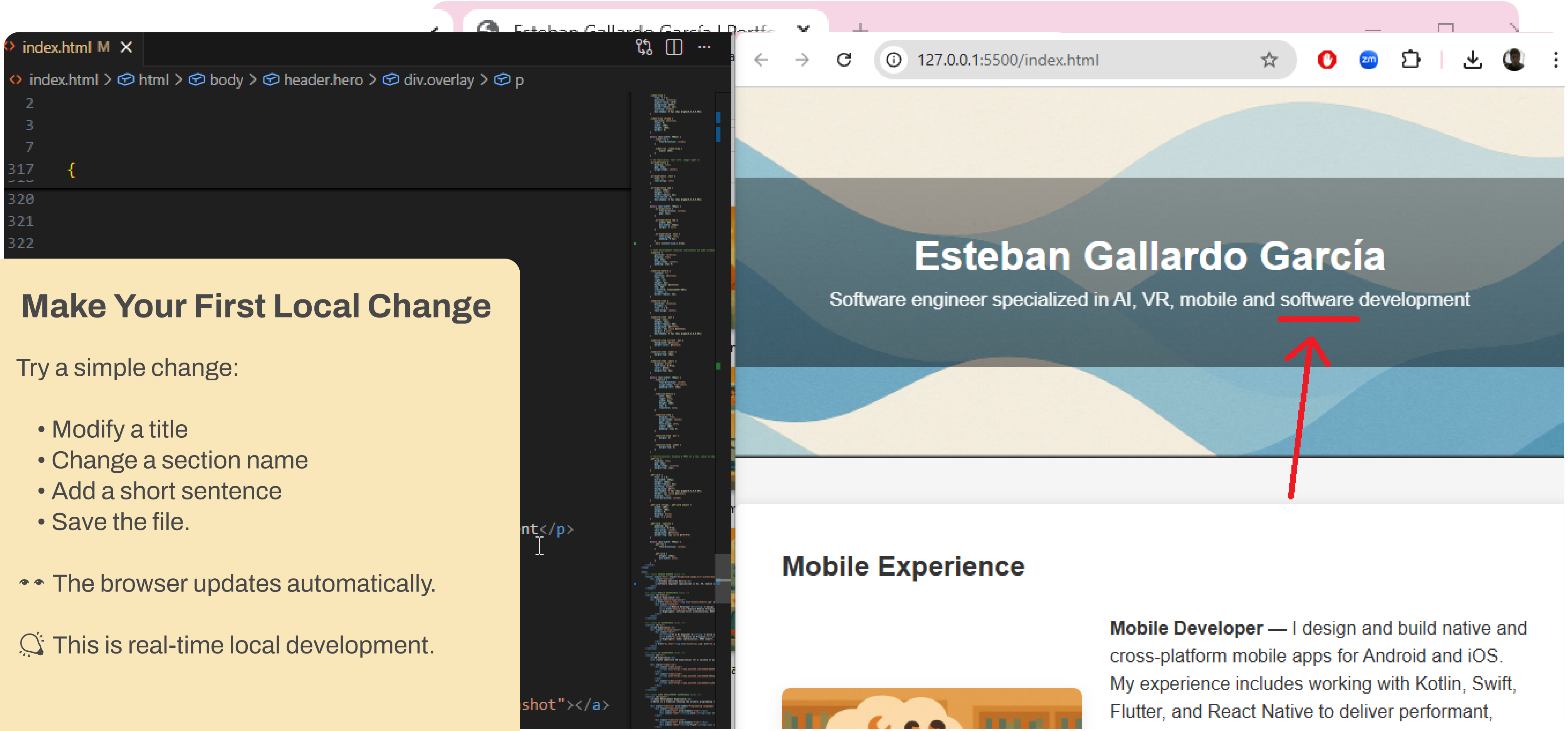
- This is your local website
- Running on your computer



Progress update: I replaced the index.html header markup and CSS to match the mobile.html `hero` structure and styles.

- Changed header markup in index.html to use `<header class="hero" style="background-image:url('assets/banner.png')"><div class="overlay">…</div></header>`.
- Replaced previous header CSS with `.hero` and `.overlay` rules (and a small responsive tweak).
- Todo: verify rendering in a browser. Want me to open a quick preview or switch the banner image to `banner2.png` or `banner3.png`?

Verify changes render correctly (3/4)


index.html M
index.html > html > body > header.hero > div.overlay > p
127.0.0.1:5500/index.html

```
{
nt</p>
shot"></a>
```

Esteban Gallardo García

Software engineer specialized in AI, VR, mobile and software development

Mobile Experience

Mobile Developer — I design and build native and cross-platform mobile apps for Android and iOS. My experience includes working with Kotlin, Swift, Flutter, and React Native to deliver performant,

Make Your First Local Change

Try a simple change:

- Modify a title
- Change a section name
- Add a short sentence
- Save the file.

👀 The browser updates automatically.

💡 This is real-time local development.

Next

Commit and visualize your changes in the website

Use SourceTree to commit a change:

A commit means:
“Save a version of my changes”

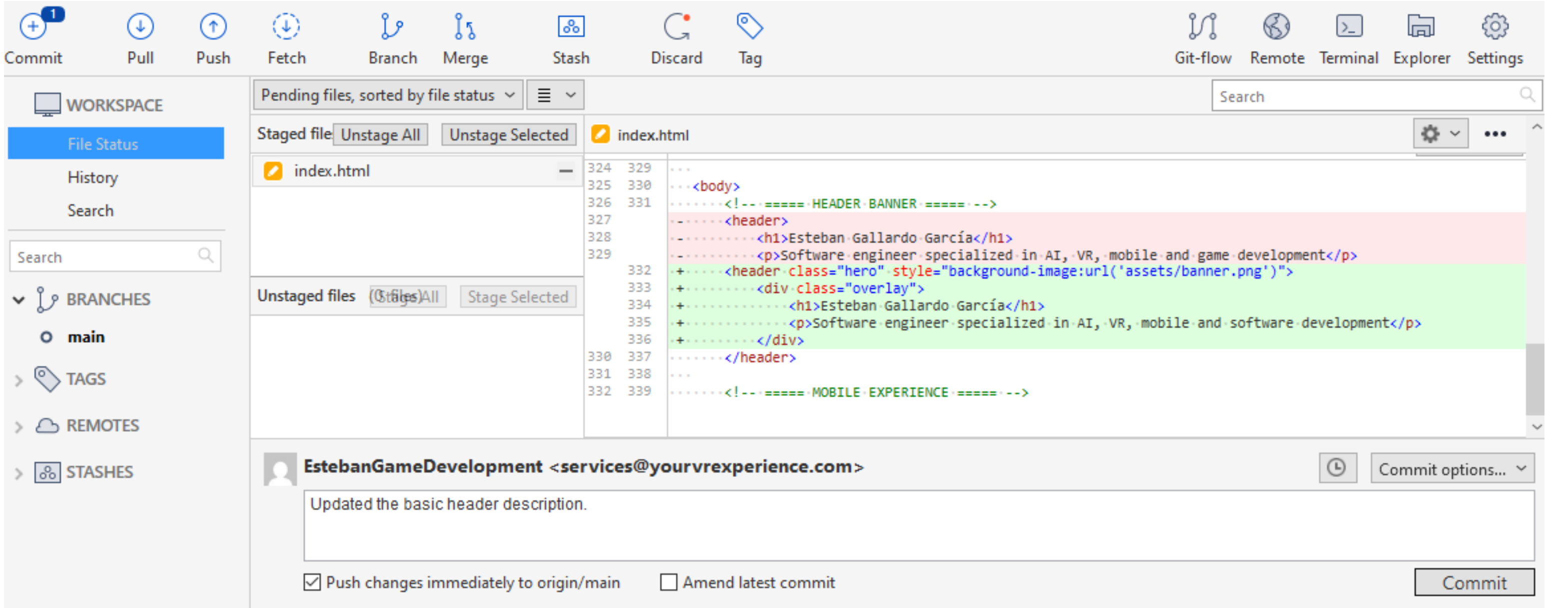
Steps:

1. Open SourceTree
2. Review changed files
3. Write a short commit message
4. Click Commit
5. Push to GitHub

Check GitHub Pages

1. Wait until GitHub Actions has processed the changes
2. Open your GitHub Pages URL
3. Refresh the page
4. Verify your changes are online

🎉 You have successfully published a new version.



Staged file: index.html

index.html

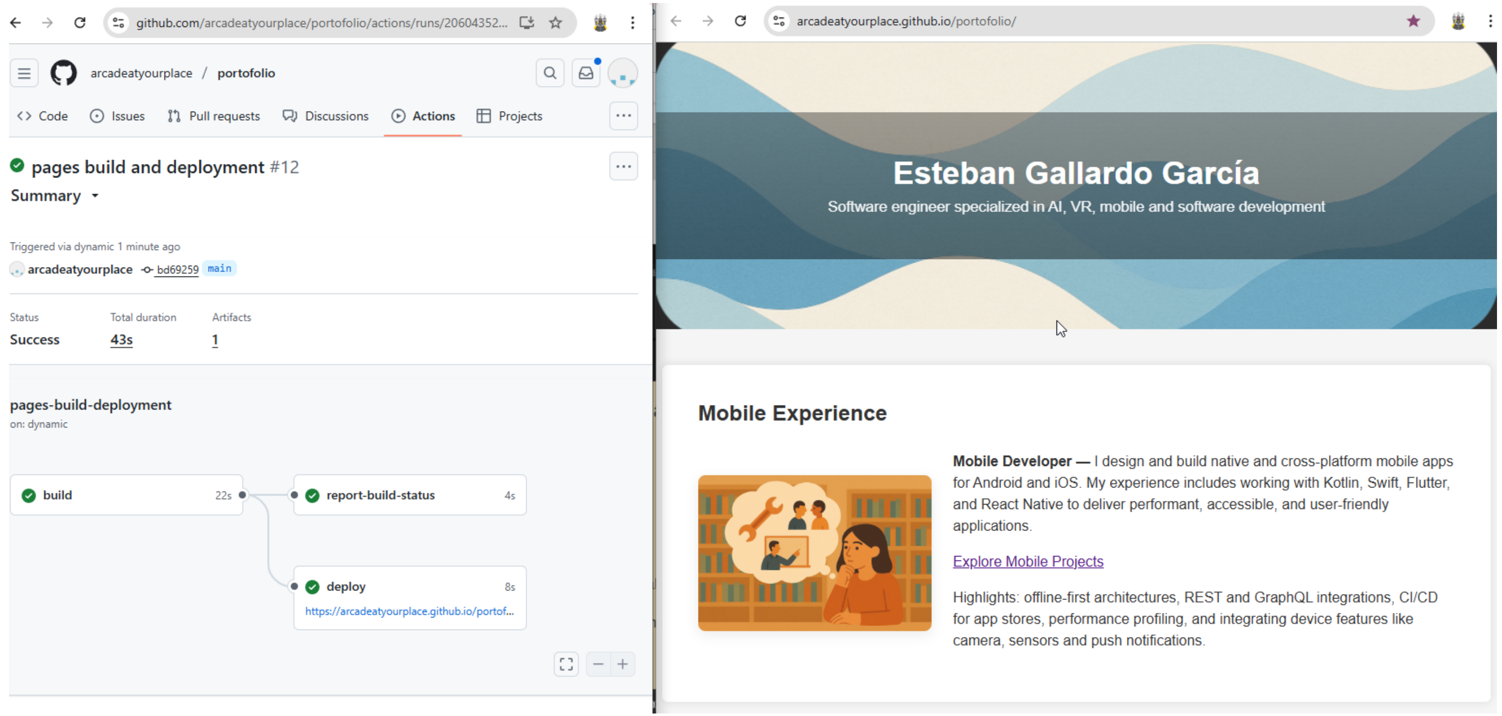
```
...
   <body>
       <!-- ===== HEADER BANNER ===== -->
-      <header>
-          <h1>Esteban Gallardo García</h1>
-          <p>Software engineer specialized in AI, VR, mobile and game development</p>
+      <header class="hero" style="background-image:url('assets/banner.png')">
+          <div class="overlay">
+              <h1>Esteban Gallardo García</h1>
+              <p>Software engineer specialized in AI, VR, mobile and software development</p>
+          </div>
       </header>
...
       <!-- ===== MOBILE EXPERIENCE ===== -->
```

EstebanGameDevelopment <services@yourvrexperience.com>

Updated the basic header description.

☑ Push changes immediately to origin/main

☐ Amend latest commit



github.com/arcadeatyourplace/portofolio/actions/runs/20604352...
arcadeatyourplace / portofolio
Code
Issues
Pull requests
Discussions
Actions
Projects
arcadeatyourplace.github.io/portofolio/

pages build and deployment #12

Summary

Triggered via dynamic 1 minute ago

arcadeatyourplace bd69259 main

Status	Total duration	Artifacts
Success	43s	1

pages-build-deployment

on: dynamic

- build 22s
- report-build-status 4s
- deploy 8s https://arcadeatyourplace.github.io/portof...

Esteban Gallardo García

Software engineer specialized in AI, VR, mobile and software development

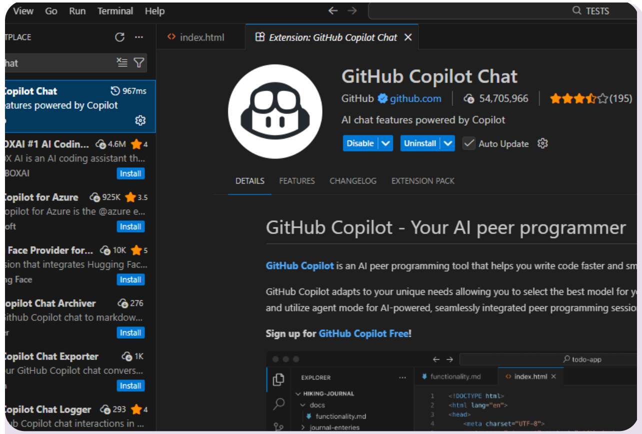
Mobile Experience

Mobile Developer — I design and build native and cross-platform mobile apps for Android and iOS. My experience includes working with Kotlin, Swift, Flutter, and React Native to deliver performant, accessible, and user-friendly applications.

Explore Mobile Projects

Highlights: offline-first architectures, REST and GraphQL integrations, CI/CD for app stores, performance profiling, and integrating device features like camera, sensors and push notifications.

Using GitHub Copilot (Part 1/2)



TPLACE

hat

Copilot Chat 967ms
atures powered by Copilot

DXAI #1 AI Codin... 4.6M 4
X AI is an AI coding assistant th...
BOXAI Install

Copilot for Azure 925K 3.5
opilot for Azure is the @azure e...
oft Install

Face Provider for... 10K 5
sion that integrates Hugging Fac...
ng Face Install

opilot Chat Archiver 276
ithub Copilot chat to markdow...
r Install

Copilot Chat Exporter 1K
ur GitHub Copilot chat convers...
Install

Copilot Chat Logger 293 4
ub Copilot chat interactions in ...

index.html | Extension: GitHub Copilot Chat

GitHub Copilot Chat

GitHub github.com | 54,705,966 | (195)

AI chat features powered by Copilot

Disable | Uninstall | ☑ Auto Update

DETAILS | FEATURES | CHANGELOG | EXTENSION PACK

GitHub Copilot - Your AI peer programmer

GitHub Copilot is an AI peer programming tool that helps you write code faster and sm

GitHub Copilot adapts to your unique needs allowing you to select the best model for y
and utilize agent mode for AI-powered, seamlessly integrated peer programming sessio

Sign up for GitHub Copilot Free!

todo-app

EXPLORER | functionality.md | index.html

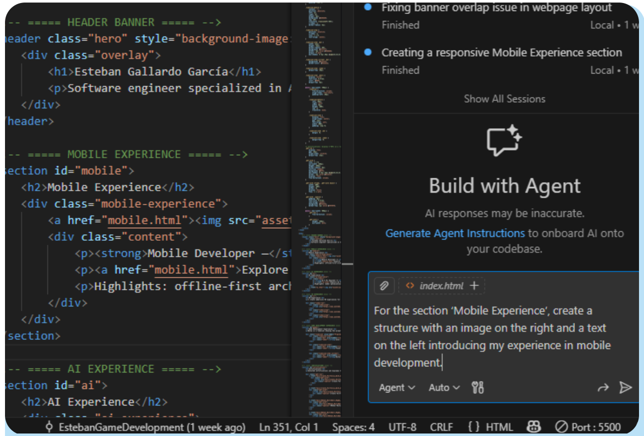
HIKING-JOURNAL
docs
functionality.md
journal-enteries

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
```

Installing GitHub Copilot

GitHub Copilot is an AI assistant inside VS Code.

Steps



```
-- ===== HEADER BANNER ===== -->
eader class="hero" style="background-image
  <div class="overlay">
      <h1>Esteban Gallardo García</h1>
      <p>Software engineer specialized in /
  </div>
/header>

-- ===== MOBILE EXPERIENCE ===== -->
ection id="mobile">
  <h2>Mobile Experience</h2>
  <div class="mobile-experience">
      <a href="mobile.html"><img src="asset
      <div class="content">
          <p><strong>Mobile Developer —</st
          <p><a href="mobile.html">Explore
          <p>Highlights: offline-first arch
      </div>
  </div>
/section>

-- ===== AI EXPERIENCE ===== -->
ection id="ai">
  <h2>AI Experience</h2>
```

Fixing banner overlap issue in webpage layout
Finished Local • 1 w

Creating a responsive Mobile Experience section
Finished Local • 1 w

Show All Sessions

Build with Agent

AI responses may be inaccurate.

Generate Agent Instructions to onboard AI onto your codebase.

index.html +

For the section 'Mobile Experience', create a structure with an image on the right and a text on the left introducing my experience in mobile development.

Agent | Auto

EstebanGameDevelopment (1 week ago) Ln 351, Col 1 Spaces: 4 UTF-8 CRLF { } HTML Port : 5500

Asking Copilot for a change

Example of prompt request:

"For the section 'Mobile Experience', create a structure with an image on the right and a text on the left introducing my experience in mobile development."

Copilot Actions

Review, Don't Blind Copy

Important rule:

- Read what Copilot generates
- Understand the structure
- Ask follow-up questions if needed

You are still in control — AI is your assistant.

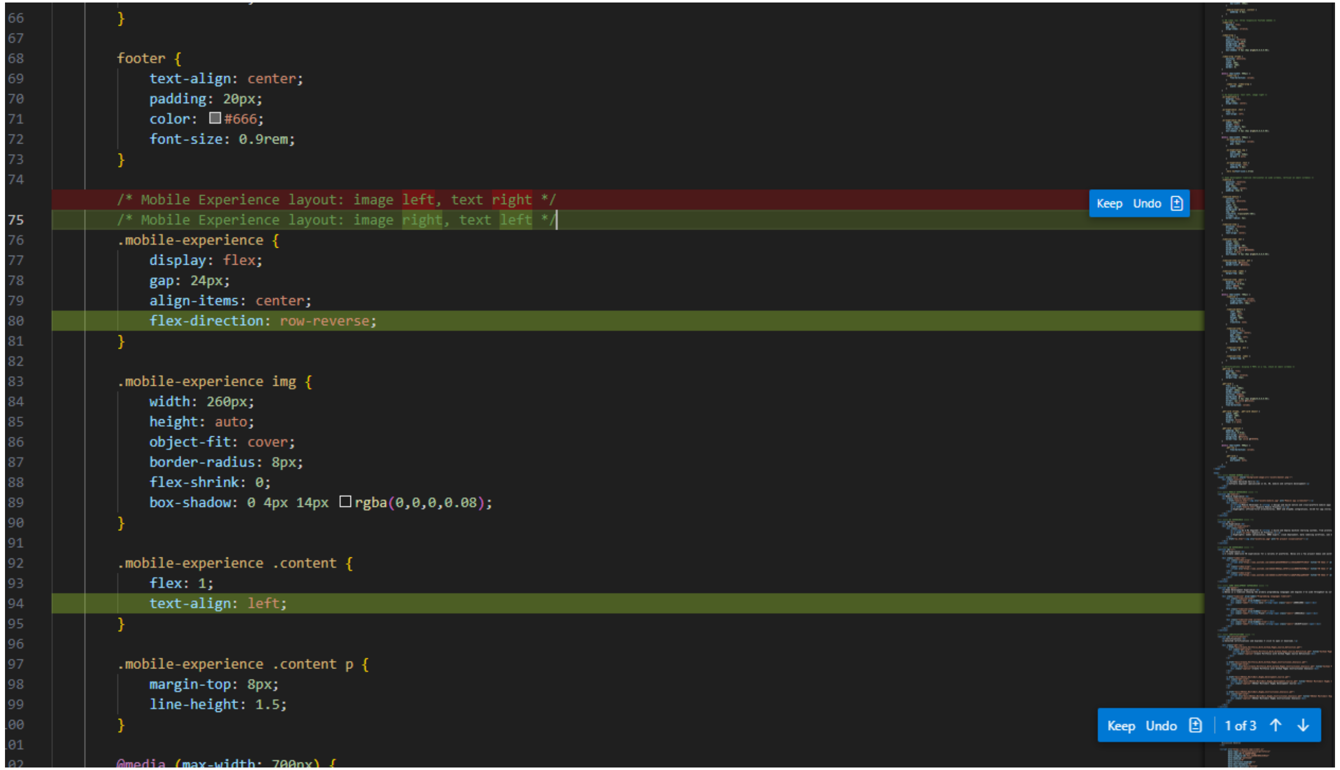
3C

<

>

Copilot will:

- Suggest HTML structure
- Possibly suggest CSS
- Explain changes

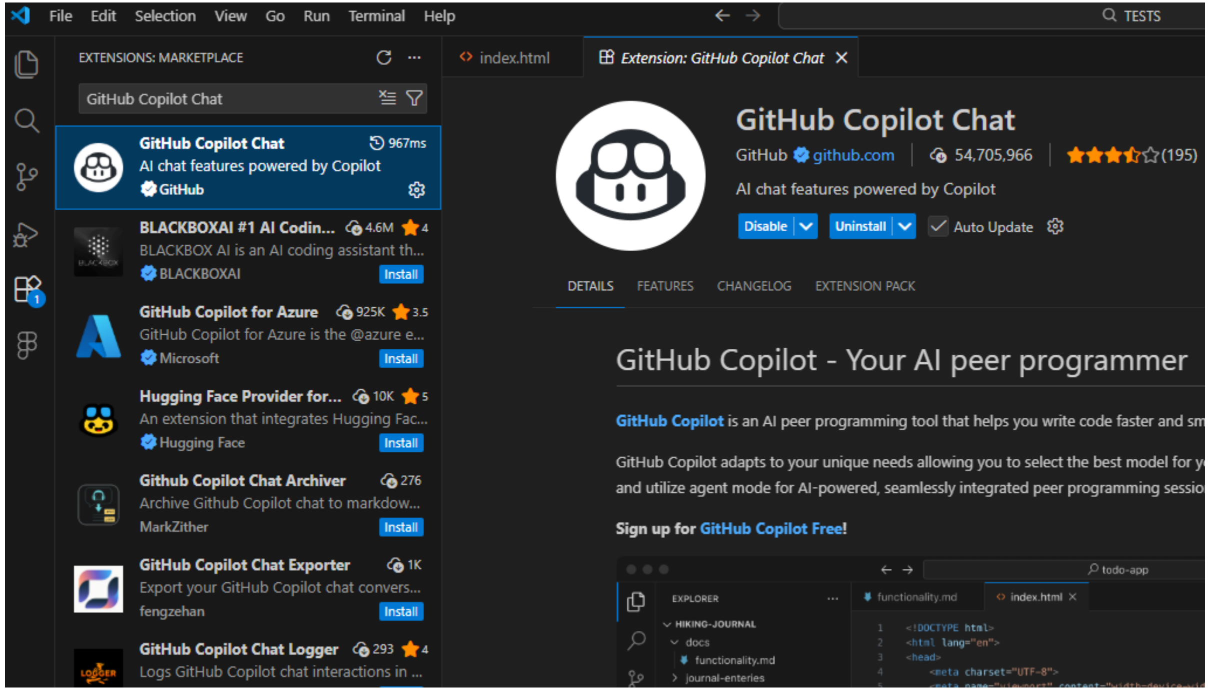


```
}

footer {
    text-align: center;
    padding: 20px;
    color: #666;
    font-size: 0.9rem;
}

/* Mobile Experience layout: image left, text right */
/* Mobile Experience layout: image right, text left */
.mobile-experience {
    display: flex;
    gap: 24px;
    align-items: center;
    flex-direction: row-reverse;
}

.mobile-experience img {
    width: 260px;
    height: auto;
    object-fit: cover;
    border-radius: 8px;
    flex-shrink: 0;
    box-shadow: 0 4px 14px rgba(0,0,0,0.08);
}

.mobile-experience .content {
    flex: 1;
    text-align: left;
}

.mobile-experience .content p {
    margin-top: 8px;
    line-height: 1.5;
}

@media (max-width: 700px) {
```

Steps:

1. Open Extensions
2. Search GitHub Copilot Chat
3. Install
4. Log in with GitHub

🤖 Copilot helps you write and modify code using natural language.



GitHub Copilot Chat

GitHub Copilot Chat 967ms
AI chat features powered by Copilot
GitHub

BLACKBOXAI #1 AI Codin... 4.6M 4
BLACKBOX AI is an AI coding assistant th...
BLACKBOXAI Install

GitHub Copilot for Azure 925K 3.5
GitHub Copilot for Azure is the @azure e...
Microsoft Install

Hugging Face Provider for... 10K 5
An extension that integrates Hugging Fac...
Hugging Face Install

Github Copilot Chat Archiver 276
Archive Github Copilot chat to markdow...
MarkZither Install

GitHub Copilot Chat Exporter 1K
Export your GitHub Copilot chat convers...
fengzehan Install

GitHub Copilot Chat Logger 293 4
Logs GitHub Copilot chat interactions in ...

GitHub Copilot Chat
GitHub github.com | 54,705,966 | (195)
AI chat features powered by Copilot

GitHub Copilot - Your AI peer programmer

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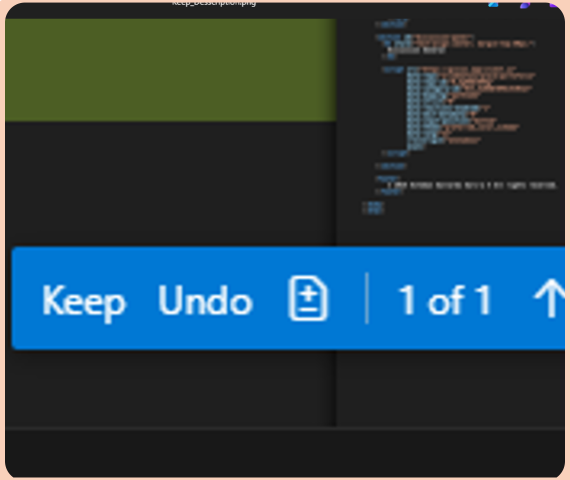
GitHub Copilot adapts to your unique needs allowing you to select the best model for y and utilize agent mode for AI-powered, seamlessly integrated peer programming sessio

Sign up for GitHub Copilot Free!

Using GitHub Copilot (Part 2/2)



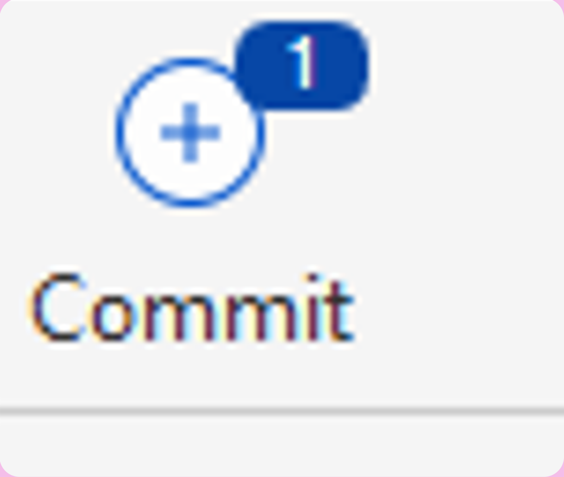
Press keep to confirm the changes.

After accepting Copilot’s changes:

1. Save files
2. Check the browser (Live Server)
3. Verify layout and content

⇄ If something looks wrong:

- Undo
- Ask Copilot again
- Adjust manually



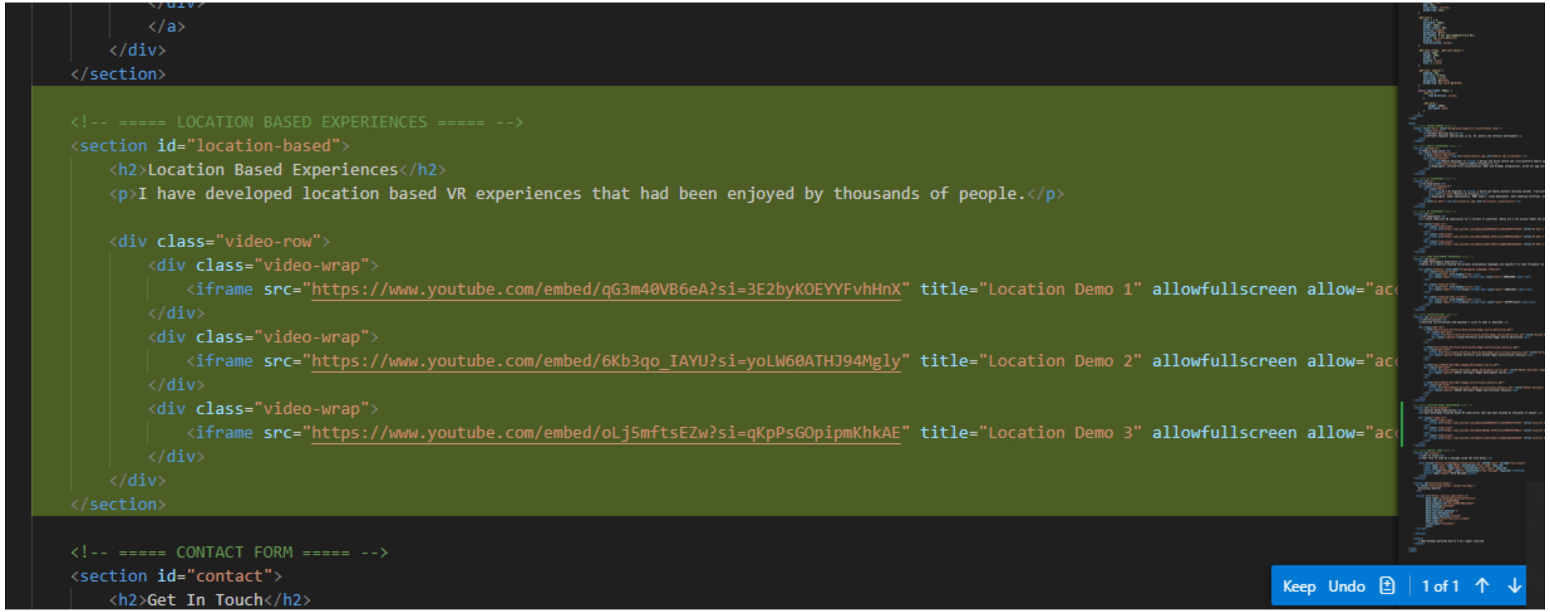
Commit and public the AI Change

Once satisfied:

1. Commit changes in SourceTree
2. Push to GitHub
3. Open GitHub Pages
4. Verify the final result

✓ AI → Local → Commit → Live

< >



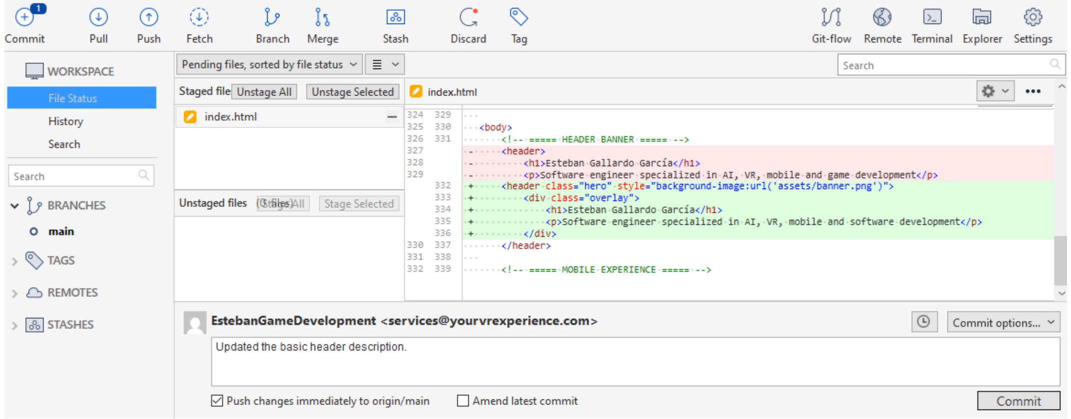
```
                </div>
            </a>
        </div>
    </section>

    <!-- ===== LOCATION BASED EXPERIENCES ===== -->
    <section id="location-based">
        <h2>Location Based Experiences</h2>
        <p>I have developed location based VR experiences that had been enjoyed by thousands of people.</p>

        <div class="video-row">
            <div class="video-wrap">
                <iframe src="https://www.youtube.com/embed/qG3m40VB6eA?si=3E2byKOEYYFvhHnX" title="Location Demo 1" allowfullscreen allow="ac
            </div>
            <div class="video-wrap">
                <iframe src="https://www.youtube.com/embed/6Kb3qo_IAYU?si=yoLW60ATHJ94Mgly" title="Location Demo 2" allowfullscreen allow="ac
            </div>
            <div class="video-wrap">
                <iframe src="https://www.youtube.com/embed/oLj5mftsEZw?si=qKpPsGOpipmKhkAE" title="Location Demo 3" allowfullscreen allow="ac
            </div>
        </div>
    </section>

    <!-- ===== CONTACT FORM ===== -->
    <section id="contact">
        <h2>Get In Touch</h2>
```

Commit & Push:



Staged files: index.html

index.html

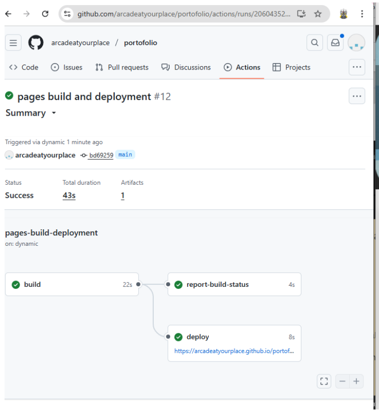
```
...
<body>
    <!-- ===== HEADER BANNER ===== -->
-   <header>
-       <h1>Esteban Gallardo García</h1>
-       <p>Software engineer specialized in AI, VR, mobile and game development</p>
+   <header class="hero" style="background-image:url('assets/banner.png')">
+       <div class="overlay">
+           <h1>Esteban Gallardo García</h1>
+           <p>Software engineer specialized in AI, VR, mobile and software development</p>
+       </div>
    </header>
...
    <!-- ===== MOBILE EXPERIENCE ===== -->
```

EstebanGameDevelopment <services@yourvrexperience.com>

Updated the basic header description.

☑ Push changes immediately to origin/main ☐ Amend latest commit

Git Actions and check website


github.com/arcadeatyourplace/portofolio/actions/runs/20604352...
arcadeatyourplace / portofolio
Code
Issues
Pull requests
Discussions
Actions
Projects
Summary
build
22s
report-build-status
4s
deploy
8s
https://arcadeatyourplace.github.io/portof...

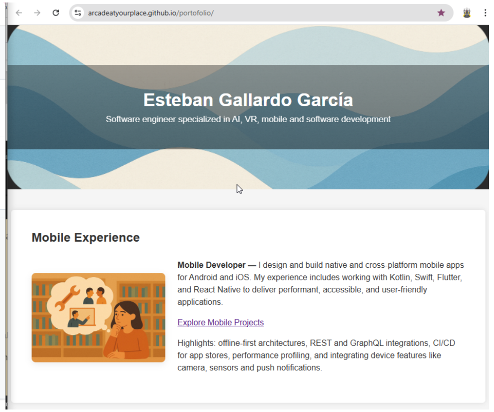
pages build and deployment #12

Triggered via dynamic 1 minute ago

arcadeatyourplace bd69259 main

Status	Total duration	Artifacts
Success	43s	1

pages-build-deployment
on: dynamic



Esteban Gallardo García

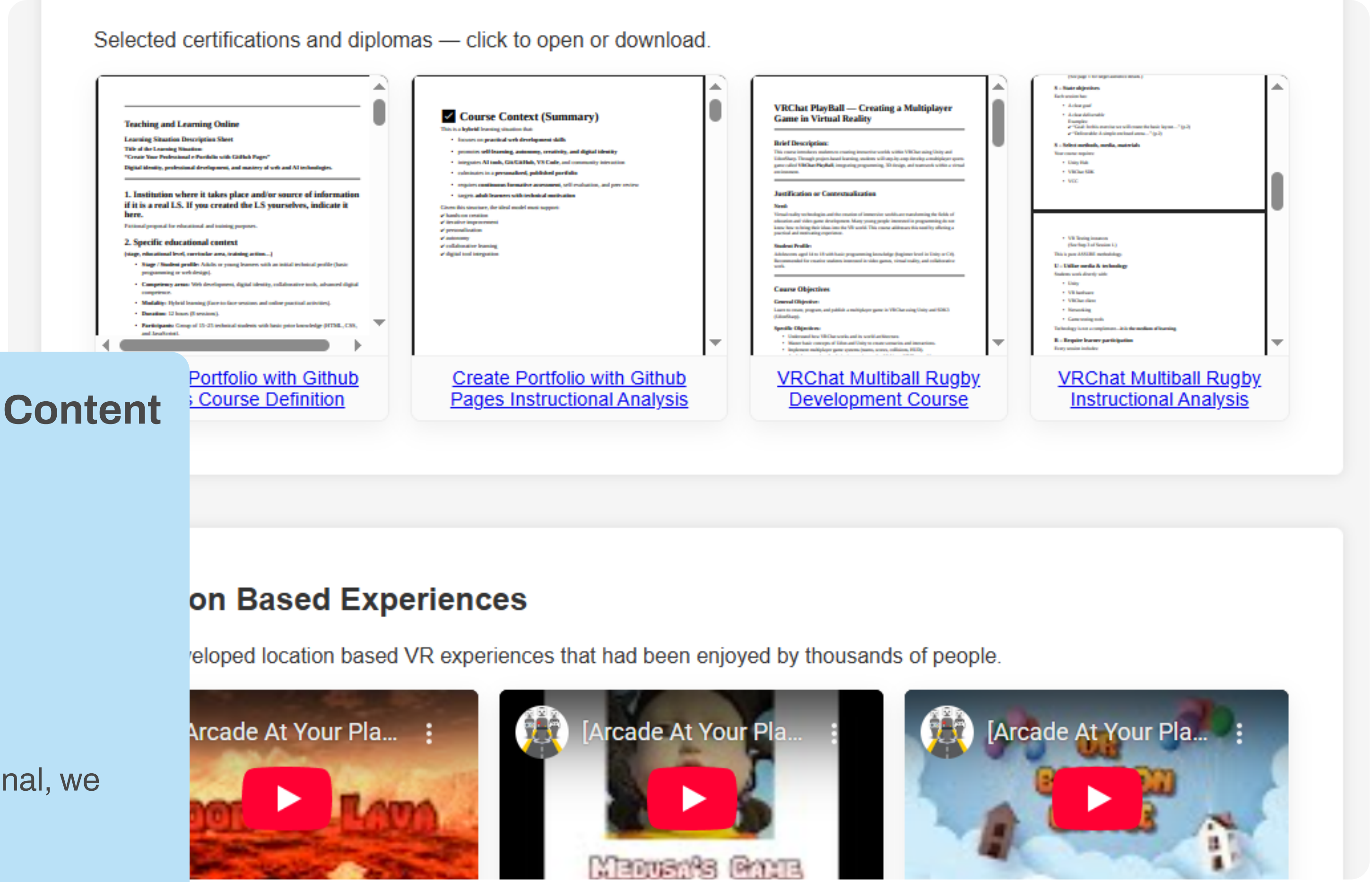
Software engineer specialized in AI, VR, mobile and software development

Mobile Experience

Mobile Developer — I design and build native and cross-platform mobile apps for Android and iOS. My experience includes working with Kotlin, Swift, Flutter, and React Native to deliver performant, accessible, and user-friendly applications.

Explore Mobile Projects

Highlights: offline-first architectures, REST and GraphQL integrations, CI/CD for app stores, performance profiling, and integrating device features like camera, sensors and push notifications.



Selected certifications and diplomas — click to open or download.

Teaching and Learning Online

☑ Course Context (Summary)

VRChat PlayBall — Creating a Multiplayer Game in Virtual Reality

Portfolio with Github
; Course Definition

Create Portfolio with Github Pages Instructional Analysis

VRChat Multiball Rugby Development Course

VRChat Multiball Rugby Instructional Analysis

on Based Experiences

veloped location based VR experiences that had been enjoyed by thousands of people.

Working with Multimedia Content

A real portfolio includes:

- Images
- Documents (PDFs)
- Videos
- Audio (optional)

To keep things clean and professional, we organize files properly.

🧠 Rule: **Structure first, content second.**

Next

Organization

Organizing Files in VS Code

Create the following folders:

- /assets/ → images, videos, audio
- /docs/ → PDF documents

📁 This mirrors professional website structures.

Add content

- Upload images into /assets
- Upload PDFs into /docs
- (Optional) videos or audio into /assets

🧠 These files will be referenced by HTML, not embedded directly.

Using an uploaded image

Use any uploaded image in a <img> section

⊕

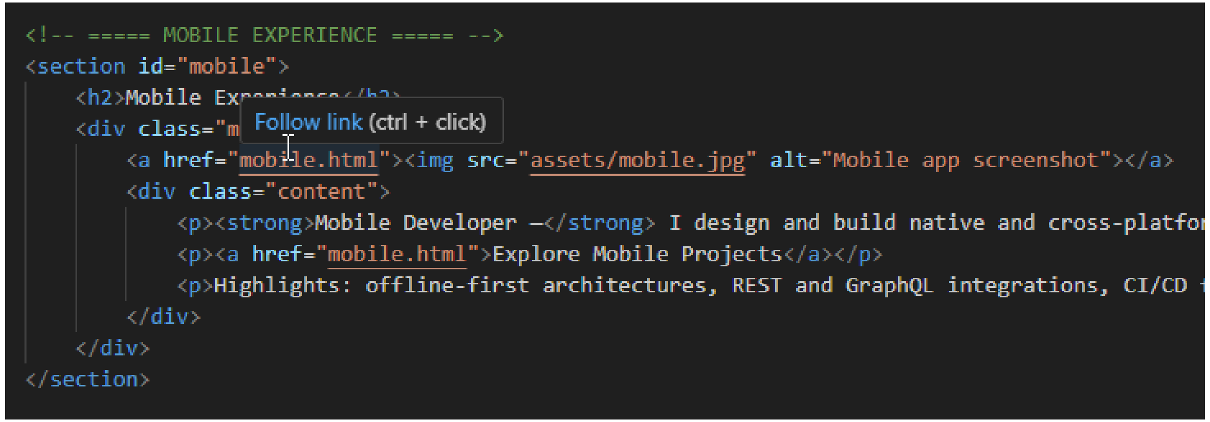
<

>

Goal:

- Replace placeholder image with the path to your image
  - **<img src="assets/my-image.jpg">**
- Check the result in your Live Server

🧠 You are now connecting: **File system → HTML → Browser**



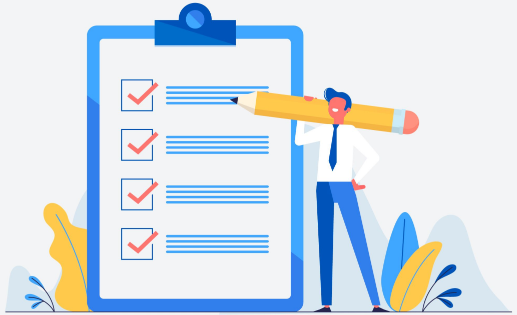
```
<!-- ===== MOBILE EXPERIENCE ===== -->
<section id="mobile">
    <h2>Mobile Experience</h2>
    <div class="m
        <a href="mobile.html"><img src="assets/mobile.jpg" alt="Mobile app screenshot"></a>
        <div class="content">
            <p><strong>Mobile Developer —</strong> I design and build native and cross-platfor
            <p><a href="mobile.html">Explore Mobile Projects</a></p>
            <p>Highlights: offline-first architectures, REST and GraphQL integrations, CI/CD
        </div>
    </div>
</section>
```

Completing Experience Sections with Copilot

Complete the main areas of experience using AI prompts.

Rule:

- One section at a time
- One clear intention per prompt



AI Experience Section (Image + Text)

Prompt example:

“For the section ‘AI Experience’, align the text on the left and an image on the right.”

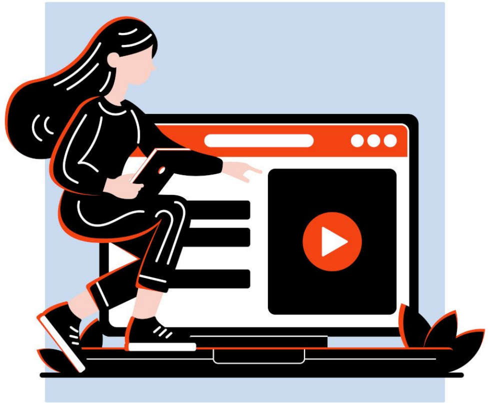
More

VR Experience Section (Embedded Video)

Prompt example:

“For the section ‘VR Experience’, embed 3 YouTube videos in a row.”

More

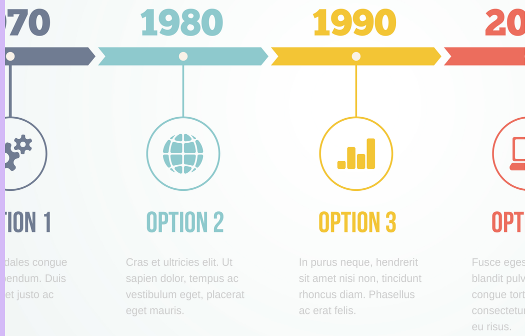


Game Development Timeline (Graphic Creation)

Prompt example:

“For the section ‘Game Development Experience’, create a horizontal timeline graphic showing: Java (2000–2008), Flash (2006–2012), Unity (2010–Nowadays).”

+info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1980
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OPT
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Cras et ultricies elit. Ut sapien dolor, tempus ac vestibulum eget, placerat eget mauris.
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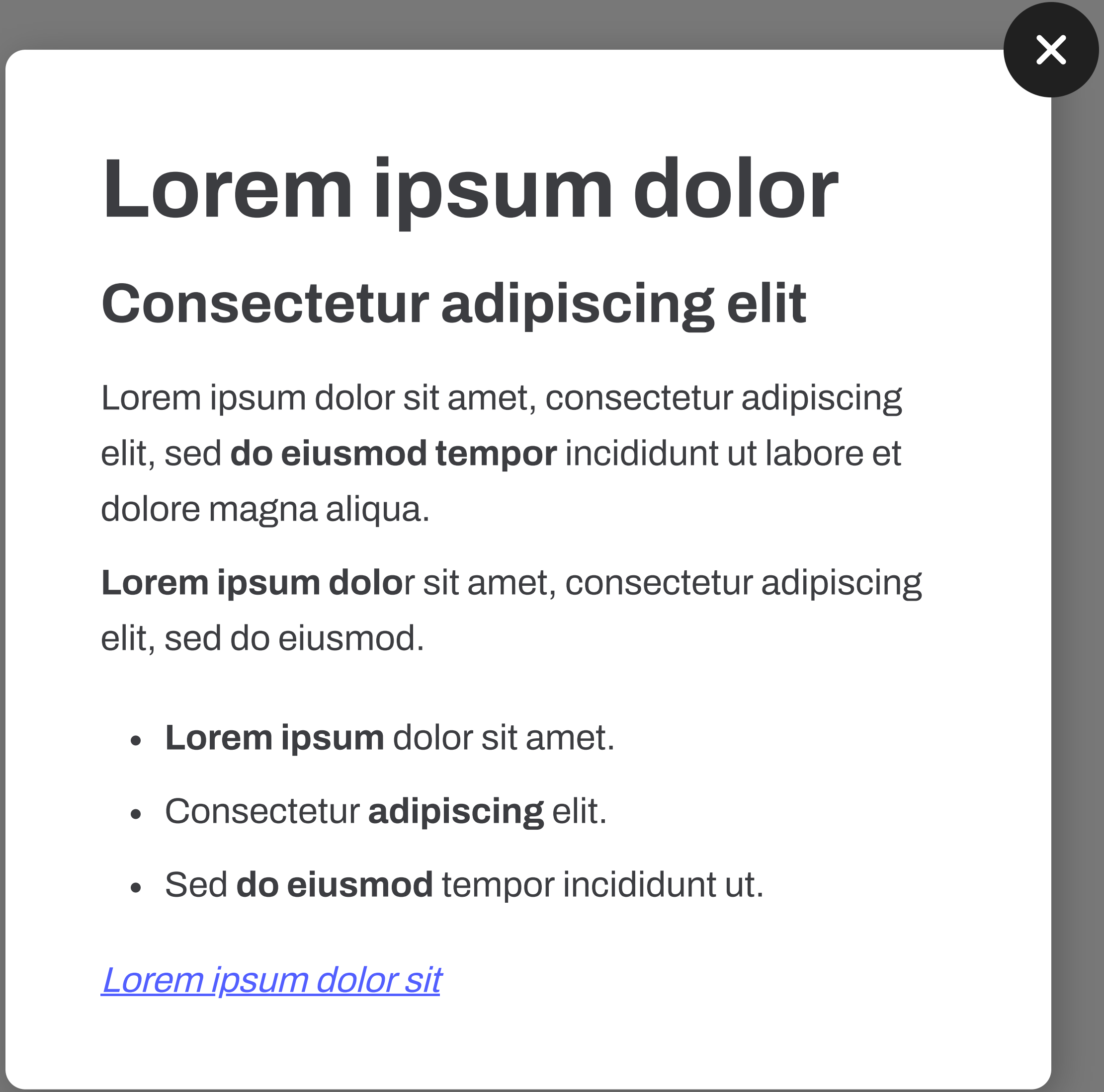

Lorem ipsum dolor

Consectetur adipiscing elit

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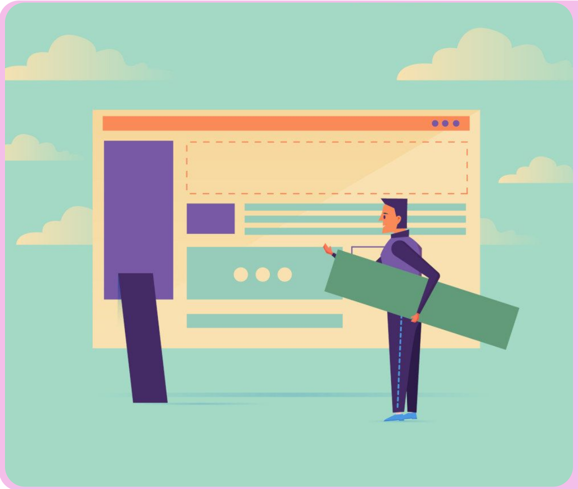
Modifiying main layout



We are going to modify the main layout by adding a **new section**: "Certifications"

Prompt example:

“Create a new section after ‘Game Development Experience’ called ‘Certifications’. In this section, embed 4 PDF documents in a row that I will later upload into the docs folder.”

Copilot should:

- Add a new section
- Place it in correct order
- PDF previews or links
- Horizontal layout
- Clean presentation

🗒 PDFs stay in /docs

Final steps:

1. Commit changes in SourceTree
2. Push to GitHub
3. Open GitHub Pages
4. Verify everything online

🎉 Your portfolio now contains real multimedia content.

Game Development Experience

Below is a timeline showing the primary programming languages and engines I've used throughout my career.

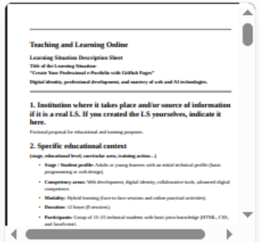
○ **Java** 2000–2008

○ **Flash** 2006–2012

● **Unity** 2010–Present

Certifications

Selected certifications and diplomas — click to open or download.



Teaching and Learning Online

Learning Situation Description Sheet

Title of the Learning Situation:

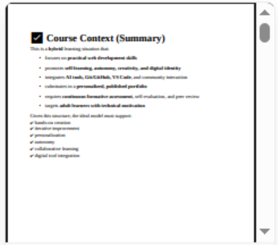
"Create Your Professional e-Portfolio with GitHub Pages"

Digital identity, professional development, and mastery of web and AI technologies.

1. Institution where it takes place and/or source of information if it is a real LS. If you created the LS yourselves, indicate it here.

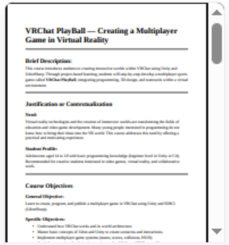
2. Specific educational context

[Create Portfolio with Github Pages Course Definition]



☑ Course Context (Summary)

[Create Portfolio with Github Pages Instructional Analysis]



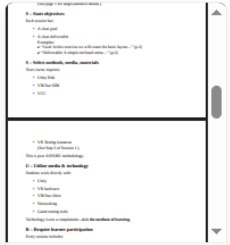
VRChat PlayBall — Creating a Multiplayer Game in Virtual Reality

Brief Description:

Justification or Contextualization

Course Objectives

[VRChat Multiball Rugby Development Course]



[VRChat Multiball Rugby Instructional Analysis]

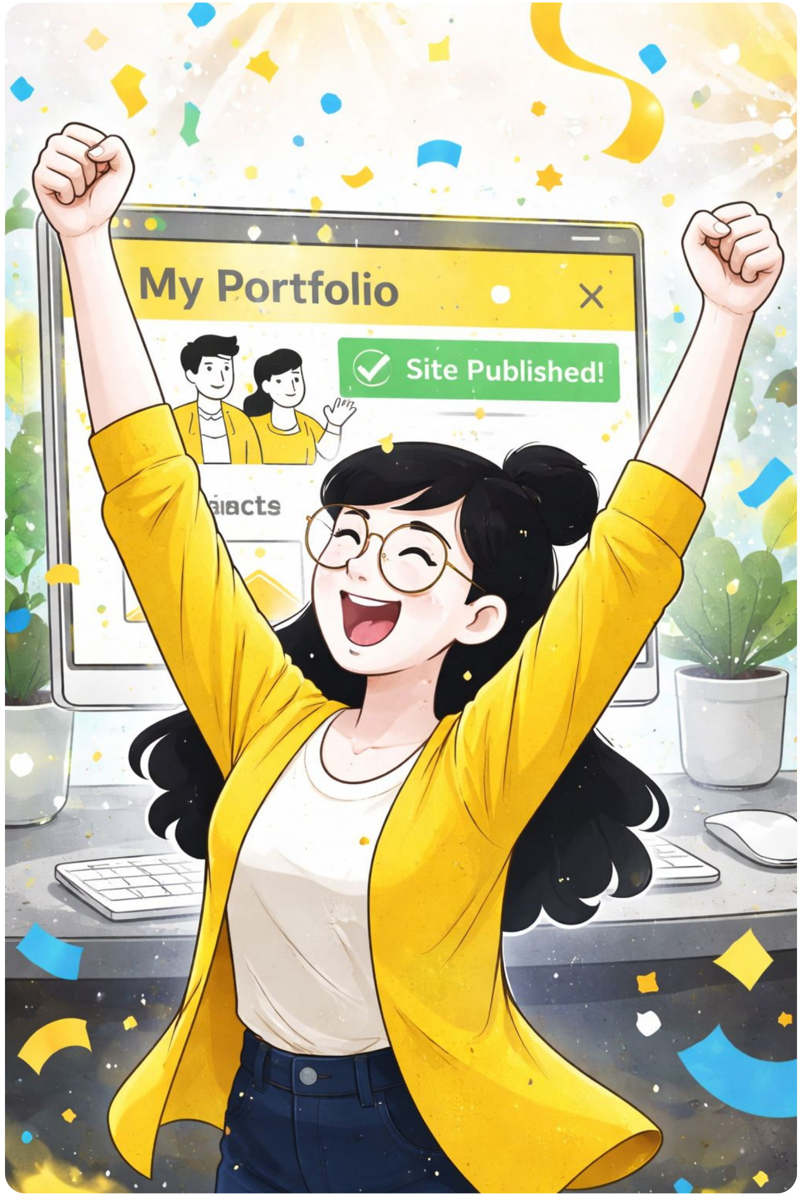
What You’ve Learned

By the end of this lesson, you can:

- Work locally with VS Code
- Preview websites instantly
- Use Git safely with SourceTree
- Organize assets professionally
- Connect files to HTML
- Embed images, videos, and PDFs
- Use AI to assist real development
- Publish with confidence
- Work like a real web developer

🚀 You are no longer “just generating code” — you are building a website.

Next



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Knowledge Test Questions

Fast Local Development with VS Code

Purpose of Local Development — Question

Role of Live Server — Question

Understanding the Workflow — Question

Role of AI in Local Development — Question

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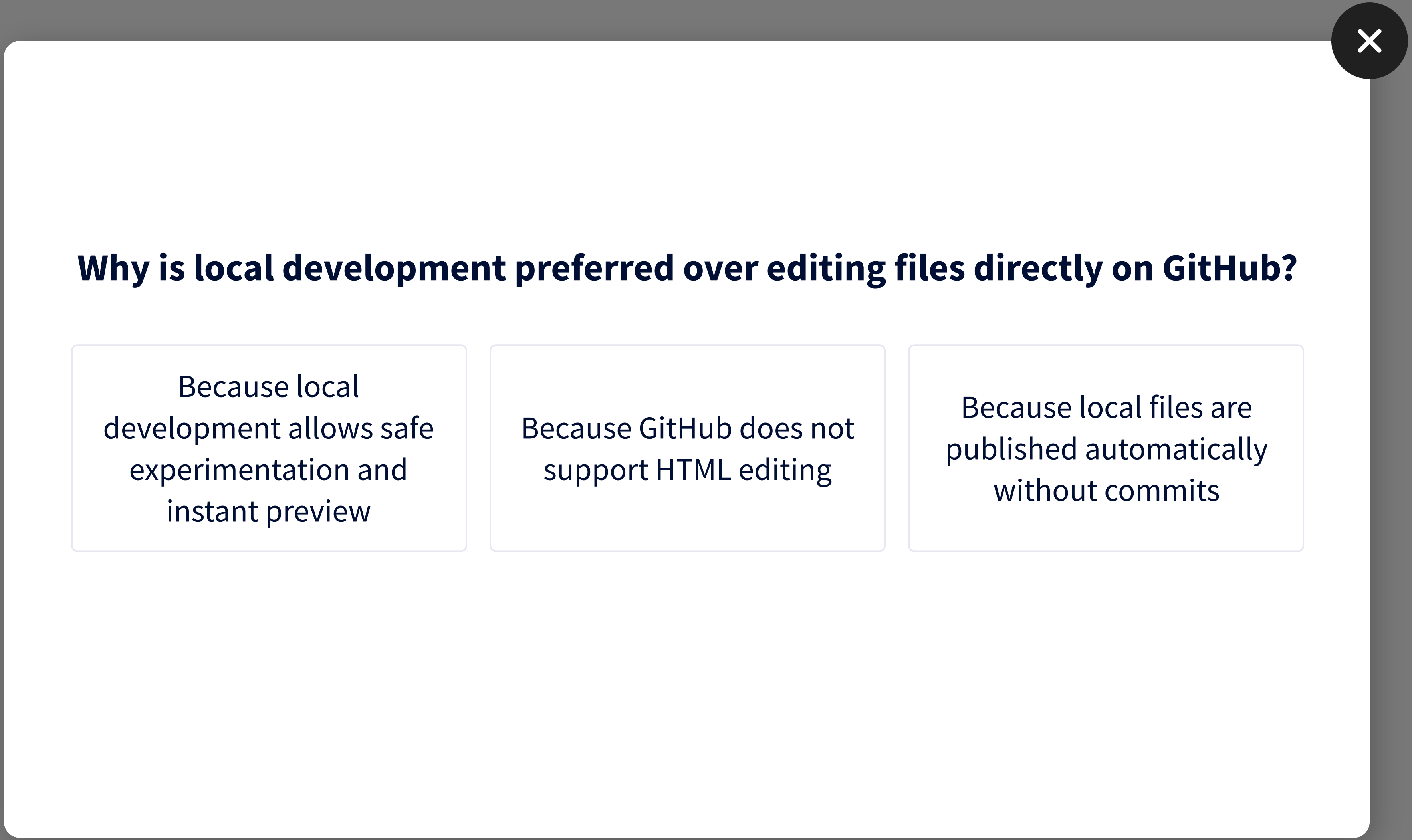

Why is local development preferred over editing files directly on GitHub?

Because local development allows safe experimentation and instant preview

Because GitHub does not support HTML editing

Because local files are published automatically without commits

What is the recommended way to use AI tools (like Copilot) during local development?

- Use AI only after the website is published
- Accept all AI-generated code without reviewing it
- Use AI to assist with small changes, review the code, and test locally before publishing

What is the main purpose of the Live Server extension in VS Code?

- To publish the website directly to GitHub Pages
- To preview the website locally and update it automatically when files change
- To manage Git commits and branches

Which sequence correctly represents the professional workflow introduced in this lesson?

Test → Edit → Publish

Edit locally → Preview locally → Commit → Push → Publish

Edit online → Publish → Test

Help us to improve

With your feedback we will keep improving for you to get the best results

Which part of setting up or using the tools (VS Code, SourceTree, Live Server, GitHub) was the most difficult for you, and why?

Write your answer here.

Send

After this lesson, how clear is the local development workflow for you?

Write your answer here.

Send

What change would most improve this lesson for future students?

Write your answer here.

Send

<

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