

# Codespaces and DevContainers

Samuel Rowe

Microsoft Cloud Solution Architect and Open Source contributor

# GitHub Codespace

Your instant dev environment

## Code without compromise

Code, build, test, debug, and deploy with a complete development environment in your browser.

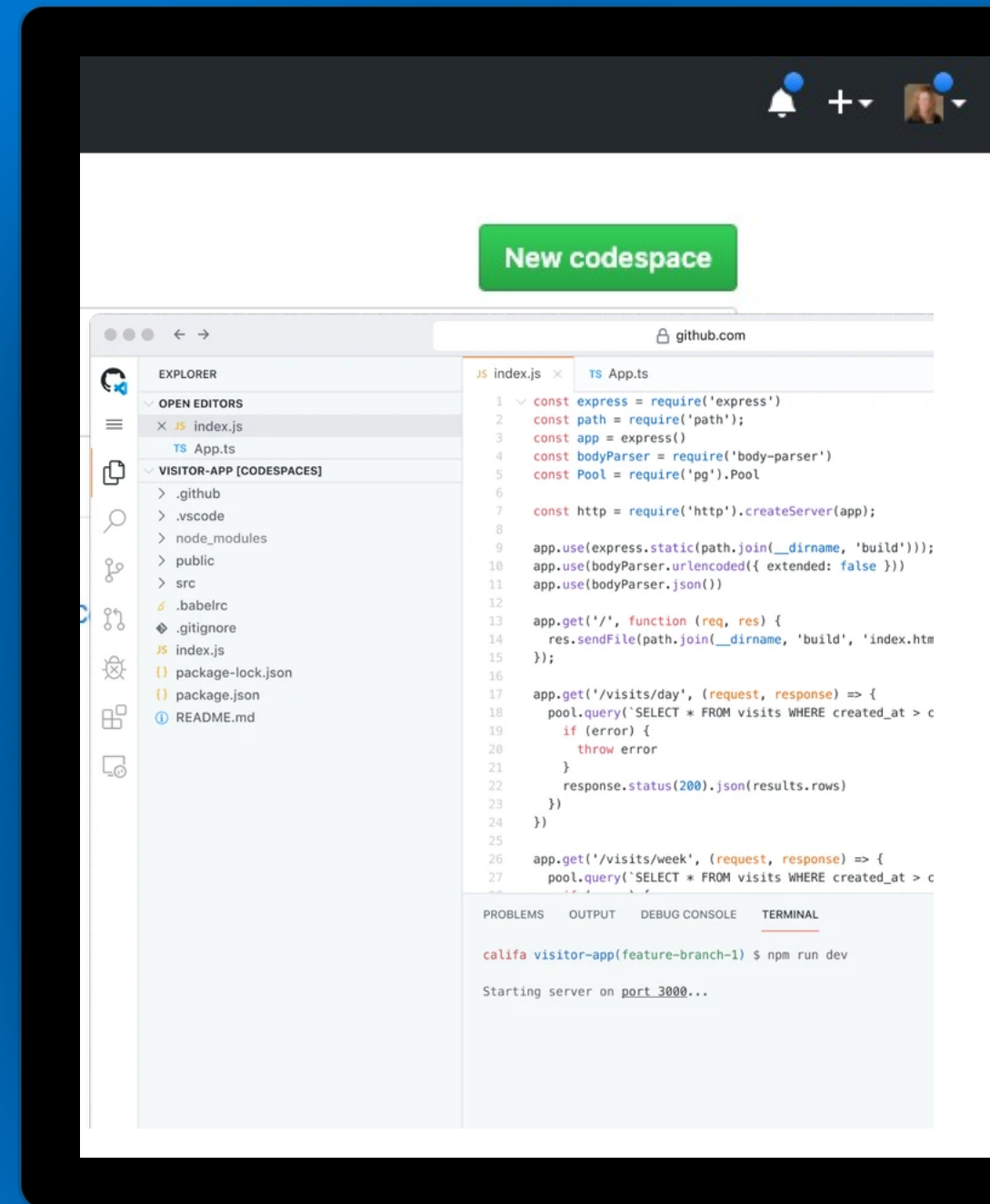
## Simplify your workflow

Automatically set up dependencies and SSH keys.  
Go from code to commit faster on any project.

## Extend and customize

Configure your editor with dotfiles and VS Code extensions to create a consistent environment in every Codespace.

<https://github.com/Features/Codespaces>



🔑 Sam-Rowe / book-open-source-tips

forked from eddiejaoude/book-open-source-tips

👁 Watch 0 ⭐ Star 0 🍴 Fork 121

<> Code 🔗 Pull requests 🔄 Actions 📁 Projects 📖 Wiki 🛡 Security 📈 Insights ⚙ Settings

🔗 DevContainer 3 branches 1 tag Go to file Add file Code

This branch is 1 commit behind eddiejaoude:master. 🔗 Pull request 📄 Compare

👤 Sam-Rowe More typos and a bit more detail 8a88634 yesterday ⌚ 300 commits

📁 .devcontainer	Added dev container support to make ascidoctor i...	yesterday
📁 .github	Create FUNDING.yml	2 months ago
📁 build	Ignore build directory contents	4 years ago
📁 config	Repo url added tp PDF footer	4 years ago
📁 src	Changed makeup to "make up"	2 years ago
📄 README	eddiejaoude#82: DashboardHub has been added to CI	2 years ago

About ⚙

Open Source book on Open Source Tips

🔗 eddiejaoude.github.io/boo...

📖 README

📄 MIT License

Releases

🏷 1 tags

Create a new release

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Accept

Reject

📄 LICENSE Initial commit 4 years ago

Publish your first package

Repository header: **Sam-Rowe / book-open-source-tips**. Forked from [eddiejaoude/book-open-source-tips](#). Action buttons: Watch (0), Star (0), Fork (121).

- <> Code
- Pull requests
- Actions
- Projects
- Wiki
- Security
- Insights
- Settings

Repository controls: DevContainer, 3 branches, 1 tag, Go to file, Add file, Code (dropdown).

Main content area showing a file tree and a commit message. The file tree includes: .devcontainer, .github, build, config, src. The commit message is: "More typos and a bit more detail".

Repository metadata and links. **About**: Open Source book on Open Source Tips. [eddiejaoude.github.io/boo...](#) **Releases**: 1 tags. [Create a new release](#)



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Pull requests Issues Codespaces Marketplace Explore



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👁 Watch 0

★ Star 0

🔗 Fork 121

<> **Code** Pull requests Actions Projects Wiki Security Insights Settings

🔗 DevContainer ▾

🔗 3 branches 1 tag

Go to file

Add file ▾

↓ Code ▾

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**Sam-Rowe** More typos and a bit more detail

📁 .devcontainer	Added dev contain	
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← Back

🔒 [Single sign-on](#) to see your codespaces for organizations within the Microsoft Open Source enterprise.

[sam-rowe-book-open-source-tips-pr8c](#)  
Last used 26 minutes ago · Created yesterday

+ New codespace

**About**



Open Source book on Open Source Tips

🔗 [eddiejaoude.github.io/boo...](#)

📖 Readme

📄 MIT License

**Releases**

🏷 1 tags

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The screenshot displays the Visual Studio Code (VS Code) interface. On the left, the Explorer sidebar shows a project structure with folders like .devcontainer, .github, build, config, src, and files like .travis.yml, CODE\_OF\_CONDUCT.md, LICENSE, Makefile, and README.md. The README.md file is selected and its content is visible in the main editor. The README.md content includes a GitHub Actions workflow link, a badge link, a table of links for different languages, and a description of the book's purpose. Below the editor, the TERMINAL panel is active, showing a bash shell prompt and the execution of a 'make' command. The terminal output shows the creation of build files and the generation of a PDF document.

```
1 [[!Build Status](https://travis-ci.org/eddiejaoude/book-open-source-tips.svg?branch=master)](https://travis-ci.org/eddiejaoude/book-open-source-tips)
2 [[!DashboardHub](https://img.shields.io/badge/DashboardHub-Open%20Source%20Book-orange.svg)](https://pipeline.dashboardhub.io/environments/f39a2d40-2045-11e8-a435-ade829eb4121)
3
4 # Open Source Tips
5
6 Open Source book on Open Source Tips
7
8 | Language | Status | Link |
9 | :--- | :--- | :--- |
10 | English | - | https://eddiejaoude.github.io/book-open-source-tips/ |
11 | Spanish | In progress | https://eddiejaoude.github.io/book-open-source-tips/index-es.html |
12
13 This book contains some common **DOS** & **DON'Ts** for Open Source software.
14
15 The Open Source community is thriving. Each day the number of Open Source projects grows, as does the army of contributors that maintain them. While this is exciting for the industry, it can be daunting as a developer new to
```

```
root → ~/workspace/book-open-source-tips (DevContainer) $ make
rm -fr build/*
cp -r src/images/ build/images/
cp -r src/favicon.ico build/
asciidoctor src/index.adoc -D build/
asciidoctor src/index-es.adoc -D build/
asciidoctor src/index-fil.adoc -D build/
asciidoctor -r asciidoctor-pdf -b pdf -a pdf-style=config/pdf-theme.yml src/index.adoc -D build/
mv build/index.pdf build/open-source-tips.pdf
root → ~/workspace/book-open-source-tips (DevContainer) $
```

100% Tue 15 Oct

< > AA

sam-rowe-book-open-source-tips-pr8c.github.dev

EXTENSIONS

Search Extensions in Marketplace

INSTALLED 12

AsciiDoc 2.8.3

Provides rich language support fo...

asciidoctor

asciidoctor-vscode 2.8.0

Obsolete asciidoctor package, rep...

João Pinto

Azure Account 0.9.3

A common Sign-In and Subscripti...

Microsoft

Azure Pipelines 1.174.2

Syntax highlighting, IntelliSense, a...

Microsoft

Docker 1.6.0

Makes it easy to create, manage, ...

Microsoft

GitHub Pull Requests and ... 0.20.1

Pull Request and Issue Provider fo...

GitHub

GitHub Theme 1.1.5

GitHub theme for VS Code

RECOMMENDED 2

markdownlint 0.37.1

Markdown linting and style checki...

David Anson

GitLens — Git supercharged 10.2.2

Supercharge the Git capabilities b...

Eric Amodio

README.md

README.md > ...

1

[[Build Status](https://travis-ci.org/eddiejaoude/book-open-source-tips.svg?branch=master)](https://travis-ci.org/eddiejaoude/book-open-source-tips)

2

[[DashboardHub](https://img.shields.io/badge/DashboardHub-Open%20Source%20Book-orange.svg)](https://pipeline.dashboardhub.io/environments/f39a2d40-2045-11e8-a435-ade829eb4121)

3

4

# Open Source Tips

5

6

Open Source book on Open Source Tips

7

8

| Language | Status | Link |

9

| :--- | :--- | :--- |

10

| English | - | https://eddiejaoude.github.io/book-open-source-tips/ |

11

| Spanish | In progress | https://eddiejaoude.github.io/book-open-source-tips/index-es.html |

12

13

This book contains some common **\*\*DOs\*\*** & **\*\*DON'Ts\*\*** for Open Source software.

14

15

The Open Source community is thriving. Each day the number of Open Source projects grows, as does the army of contributors that maintain them. While this is exciting for the industry, it can be daunting as a developer new to

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

1: bash

root → ~/workspace/book-open-source-tips (DevContainer) \$ make

rm -fr build/\*

cp -r src/images/ build/images/

cp -r src/favicon.ico build/

asciidoctor src/index.adoc -D build/

asciidoctor src/index-es.adoc -D build/

asciidoctor src/index-fil.adoc -D build/

asciidoctor -r asciidoctor-pdf -b build/

mv build/index.pdf build/open-source-tips.pdf

root → ~/workspace/book-open-source-tips

Server is Started at port : 5500

Source: Live Server (Extension)

< Codespaces

DevContainer 0

Sam-Rowe Live Share

Spaces: 4 UTF-8 LF Markdown Port : 5500 Layout: U.S.

The screenshot displays the Visual Studio Code interface for a GitHub Codespace. The left sidebar is divided into three main sections: 'REMOTE EXPLORER' at the top, 'CODESPACE DETAILS' in the middle, and 'FORWARDED PORTS' at the bottom. The 'CODESPACE DETAILS' section shows the name 'sam-rowe-book-open-s...', the repository URL 'https://github.com/Sam-...', and the instance type 'Basic (Linux): 2 ...'. The 'FORWARDED PORTS' section shows a forwarded port from '127.0.0.1:5500' to '5500 to 1...'. The main editor area shows a 'README.md' file with a table of links and a terminal window at the bottom displaying the output of a curl command.

**REMOTE EXPLORER**

- CODESPACES**
  - sam-rowe-codespace-test-h5wg
  - sam-rowe-book-open-source-t...
- CODESPACE DETAILS**
  - Name: sam-rowe-book-open-s...
  - Repo: https://github.com/Sam-...
  - Suspend: After 30 minutes
  - Instance Type: Basic (Linux): 2 ...
- FORWARDED PORTS**
  - Forwarded
    - 127.0.0.1:5500 5500 to 1... 🌐 ✕
- HELP AND FEEDBACK**

**README.md**

```
1 [[Build Status](https://travis-ci.org/eddiejaoude/book-open-source-tips.svg?branch=master)](https://travis-ci.org/eddiejaoude/book-open-source-tips)
2 [[DashboardHub](https://img.shields.io/badge/DashboardHub-Open%20Source%20Book-orange.svg)](https://pipeline.dashboardhub.io/environments/f39a2d40-2045-11e8-a435-ade829eb4121)
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14
15 The Open Source community is thriving. Each day the number of Open Source projects grows, as does the army of contributors that maintain them. While this is exciting for the industry, it can be daunting as a developer new to
```


**TERMINAL**

```
1: bash
root → ~/workspace/book-open-source-tips (DevContainer) $ curl http://localhost:5500
<!DOCTYPE html>
<html>
  <head>
    <meta charset='utf-8'>
    <meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-scalable=no" />
    <title>listing directory </title>
    <style>* {
      margin: 0;
      padding: 0;
      outline: 0;
```




08:55 Tue 13 Oct

Settings




Samuel Rowe

Apple ID, iCloud, iTunes & App Store





Airplane Mode

☐




Wi-Fi






Bluetooth


On




Notifications




Sounds




Do Not Disturb




Screen Time




General




Control Centre



Display & Brightness



Home Screen & Dock



Accessibility

< General

About

Name

Samuel's iPad >

Software Version

13.7


Model Name

iPad (5th generation)

Model Number

MP2H2B/A

Serial Number



Coverage Expired

>

Songs

0

Videos

537

Photos

24,544

Applications

108

Capacity

128 GB

Available

75.21 GB

Wi-Fi Address

B8:63:4D:9D:27:EE

## References:

- <https://github.com/features/codespaces/signup>
- <https://code.visualstudio.com/docs/remote/remote-overview>
- <https://code.visualstudio.com/docs/remote/devcontainerjson-reference>
- <https://github.com/microsoft/vscode-dev-containers/tree/master/containers>
- <https://docs.github.com/en/free-pro-team@latest/github/developing-online-with-codespaces/about-billing-for-codespaces>