

# **Self hosting your side projects with Django and duct tape**

**PyCon Portugal**

**Anže Pečar, Oct 17, 2024**





✓ fedidevs.com

99.994% uptime



Response time



**Downtime**

Down for 7 minutes

Mar 12, 2024

0.45 s

0.30 s

0.15 s

0.0 s

07:00pm

10:00pm

01:00am

04:00am

07:00am

10:00am

01:00pm

04:00pm

✓ surfcams.pecar.me

99.991% uptime



Response times



Surfcams

×

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🌐

https://surfcams.pecar.me/cams/203/

🖨

☆

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🔍

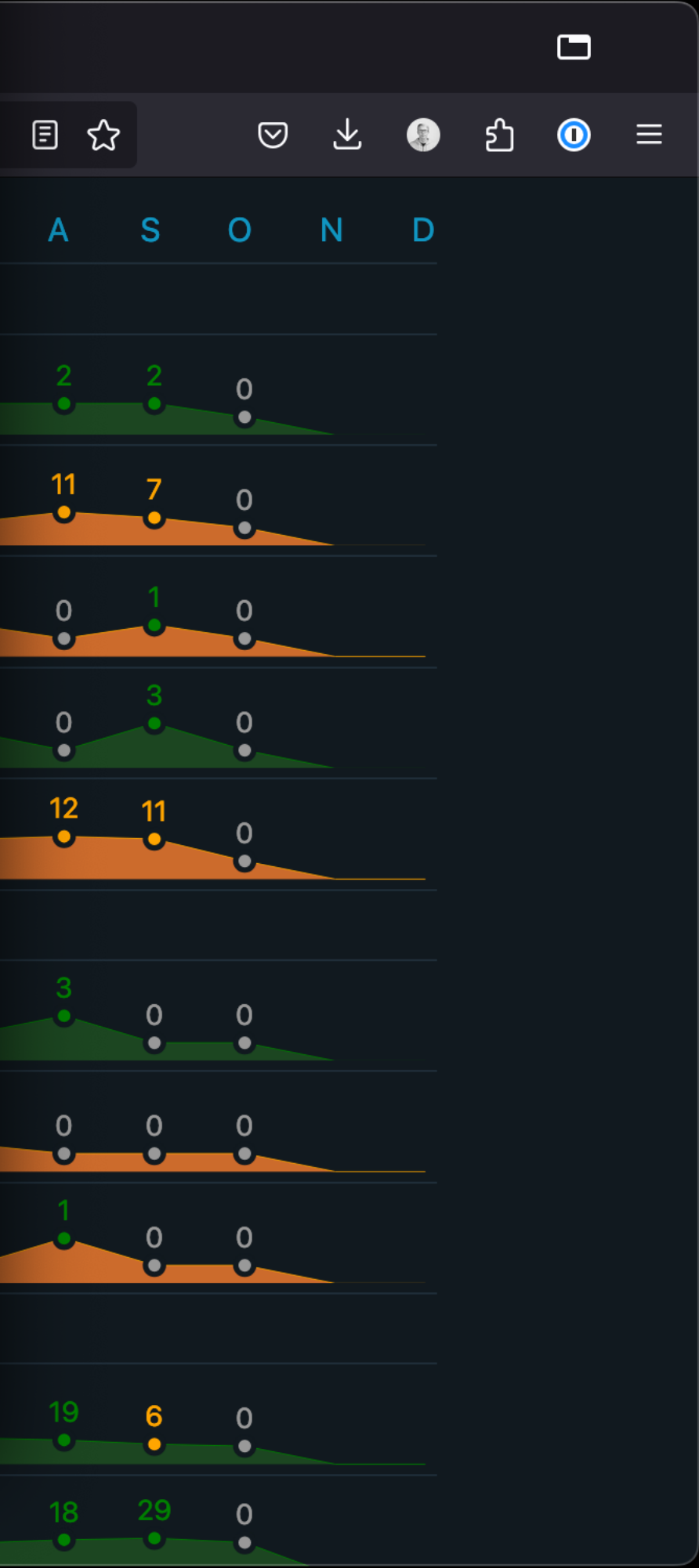
☰

Wednesday, Oct 16

|       |          |      |     |           |                         |             |
|-------|----------|------|-----|-----------|-------------------------|-------------|
| 06:00 | 1.2-1.8m | 2.1m | 9s  | 🏹<br>225° | 19 <sup>35</sup><br>kph | Cross-Shore |
| 09:00 | 1.2-1.5m | 2.1m | 9s  | 🏹<br>228° | 14 <sup>27</sup><br>kph | Onshore     |
| 12:00 | 1.2-1.5m | 2.0m | 9s  | 🏹<br>230° | 16 <sup>23</sup><br>kph | Onshore     |
| 15:00 | 1.2-1.5m | 1.8m | 9s  | 🏹<br>232° | 18 <sup>25</sup><br>kph | Onshore     |
| 18:00 | 0.9-1.4m | 1.5m | 9s  | 🏹<br>242° | 18 <sup>26</sup><br>kph | Onshore     |
| 21:00 | 0.9-1.4m | 1.5m | 17s | 🏹<br>246° | 16 <sup>29</sup><br>kph | Onshore     |

Thursday, Oct 17

|       |          |      |     |           |                         |             |
|-------|----------|------|-----|-----------|-------------------------|-------------|
| 06:00 | 1.2-2.0m | 1.5m | 15s | 🏹<br>250° | 17 <sup>33</sup><br>kph | Cross-Shore |
| 09:00 | 1.5-2.1m | 2.3m | 14s | 🏹<br>248° | 16 <sup>29</sup><br>kph | Cross-Shore |
| 12:00 | 1.5-2.1m | 2.3m | 14s | 🏹<br>248° | 21 <sup>26</sup><br>kph | Cross-Shore |
| 15:00 | 1.5-2.1m | 2.2m | 14s | 🏹<br>248° | 20 <sup>27</sup><br>kph | Cross-Shore |



| Wednesday, Oct 16 |          |      |
|-------------------|----------|------|
| 06:00             | 1.2-1.8m | 2.1m |
| 09:00             | 1.2-1.5m | 2.1m |
| 12:00             | 1.2-1.5m | 2.0m |
| 15:00             |          |      |





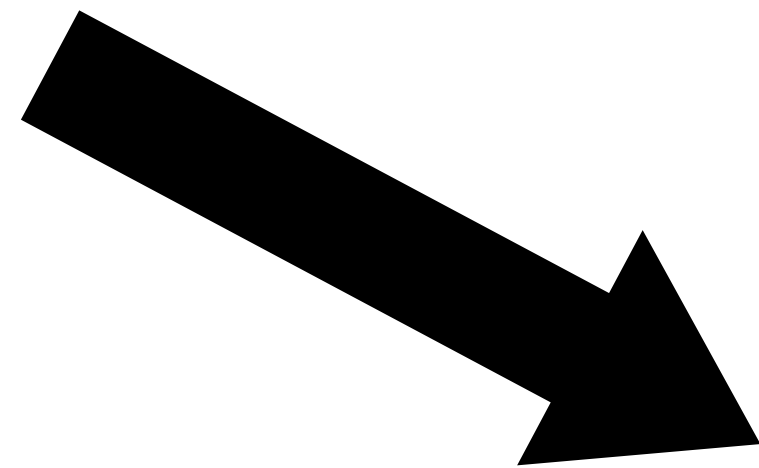




GET / HTTP/1.1

Host: developer.mozilla.org

Accept-Language: en





# Hardware

# Raspberry Pi

# SD Cards

**Limited number of write-and-erase cycles**



# Software

# Raspberry Pi OS

# Python

```
python3 -m pip
```

```
/usr/bin/python3: No module named pip
```

```
sudo apt install python-full
```

python.org

```
./configure
```

```
make
```

```
make test
```

```
curl -LsSf https://astral.sh/uv/install.sh | sh
```

```
uv python install 3.13
```

```
python -m http.server 9000
```

# http.server — HTTP servers

Source code: <Lib/http/server.py>

---

This module defines classes for implementing HTTP servers.

```
sudo apt install nginx
```



# Internet





# Port forwarding





**Danger**











# DNS

**SSL/TLS**



# Dynamic IP



# Django







































