**Stack**

**1. EC2**

A **server** is necessary for hosting applications, websites, or services that need to be accessible over a network (like the internet). Servers provide the computational power, storage, and network connectivity required to run the backend code, host databases, and manage other resources.

**For this project**, which involves a backend API and a counter that updates whenever the website is accessed, you need a server to:

* Host the backend API (in this case, an API that updates and retrieves a counter value).
* Host the database (like Cosmos DB in Azure or MongoDB in the open-source alternative).

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| Requirements/Tools | Open Source | AWS | Azure | GCP |
| Server/VM | EC2 free tier | AWS Lambda | Azure Functions |  |
| Framework | Flask |  | Dotnet |  |
| Backend Programming language | Python |  | C# |  |
| Development Environment | VS Code | VS Code | VS Code |  |
| Database |  |  |  |  |
| Version Control |  |  |  |  |
| Frontend (Static content) Hosting | Vercel | S3 Bucket | Blobstorage |  |
| Frontend Language | HTML/CSS |  |  |  |

**1. Flask**

* **Programming Language**: Python
* **Overview**: Flask is a lightweight and micro web framework for Python. It's designed to be easy to use and is often chosen for its simplicity and flexibility. Flask does not require particular tools or libraries and has no database abstraction layer or form validation. It gives you the power to create a fully customized web application.