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7 Python Libraries Every Back-End Developer Should Know

Do you know about these open-source python Libraries?

Photo By: Karan Jagota

Libraries are a great way to share usable code with other developers. Coders in their working environment either work on building libraries or work with open-source libraries developed by other developers. Here, we will discuss the top 7 Python libraries that are widely used by Developers in their Python projects. So without wasting any more second, let us get started.

Pillow

Pillow is a free and open-source library for the Python programming language that allows us to manipulate digital images. It has more than 7.9k stars on Github and has a wide variety of developers working on improving the library on day to day basis. It is one of the best and easiest libraries that provide powerful image processing capabilities.

Link: https://github.com/python-pillow/Pillow

Bcrypt

Developers all around the world use the Bcrypt library to hash user passwords. It is not just available in Python but is also available in other languages like Golang, Javascript, Ruby, etc. Bcrypt provides a reliable algorithm for hashing passwords. With Bcrypt, one can hash the password with one line of code.

Link: https://github.com/pyca/bcrypt

Tensorflow

The first thing that comes to every developer's mind when people say machine learning is TensorFlow. I am sure we all can agree on that. TensorFlow is a free and open-source software library for machine learning. It can be used across a range of tasks but has a particular focus on training and inference of deep neural networks. Honestly, I don't think it needs an introduction. Large Organizations and start-ups are using this library in the production environment. With more than 150k stars on Github, it is one of the best ML libraries out there on the internet.

Link: https://github.com/tensorflow/tensorflow

Pyinstaller

Have you ever tried to turn your python code into an executable! Guess what-this is the library that does exactly that for you. In general, PyInstaller bundles a Python application and all its dependencies into a single package. The user can run the packaged app without installing a Python interpreter or any modules.

With more than 7.4k stars on Github, it is an excellent tool to add to your pythonic skillset.

Link: https://github.com/pyinstaller/pyinstaller

Scrapy

Scrapy is a free and open-source web-crawling framework written in Python programming language. It is the most common library used for web scraping in big tech organizations. It also provides a way to extract data using APIs or as a general-purpose web crawler, data mining, monitoring, and automated testing. It has more than 38.9k stars on Github.

Link: https://github.com/scrapy/scrapy

Faker

Faker is a high-performance fake data generator for Python, which provides data for a variety of purposes in a variety of languages. Whether you need to bootstrap your database, create good-looking XML documents of arbitrary structure, Faker is for you. It is widely used by developers to populate the database with fake data while developing systems in Python. With more than 10.8k stars on Github, it is the best library to generate random data for your database.

Link: https://github.com/joke2k/faker

FastApi

Almost every python developer know FastApi at this point. FastAPI is a modern, fast (high-performance) web framework for building APIs with Python 3.6+ based on standard Python type hints. Every developer in my network has shifted to FastApi from Django and Flask. It is a lot easier to learn and quick to implement. The performance is as par with Golang and Node. It has more than 23k stars on Github.

Link: https://github.com/tiangolo/fastapi

Ending Thoughts

Apart from the above, there are tons of other useful libraries out there on the web. Search on your own according to your own need. We can also develop a library if something is not available already.

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