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Farhan Tanvir   Follow

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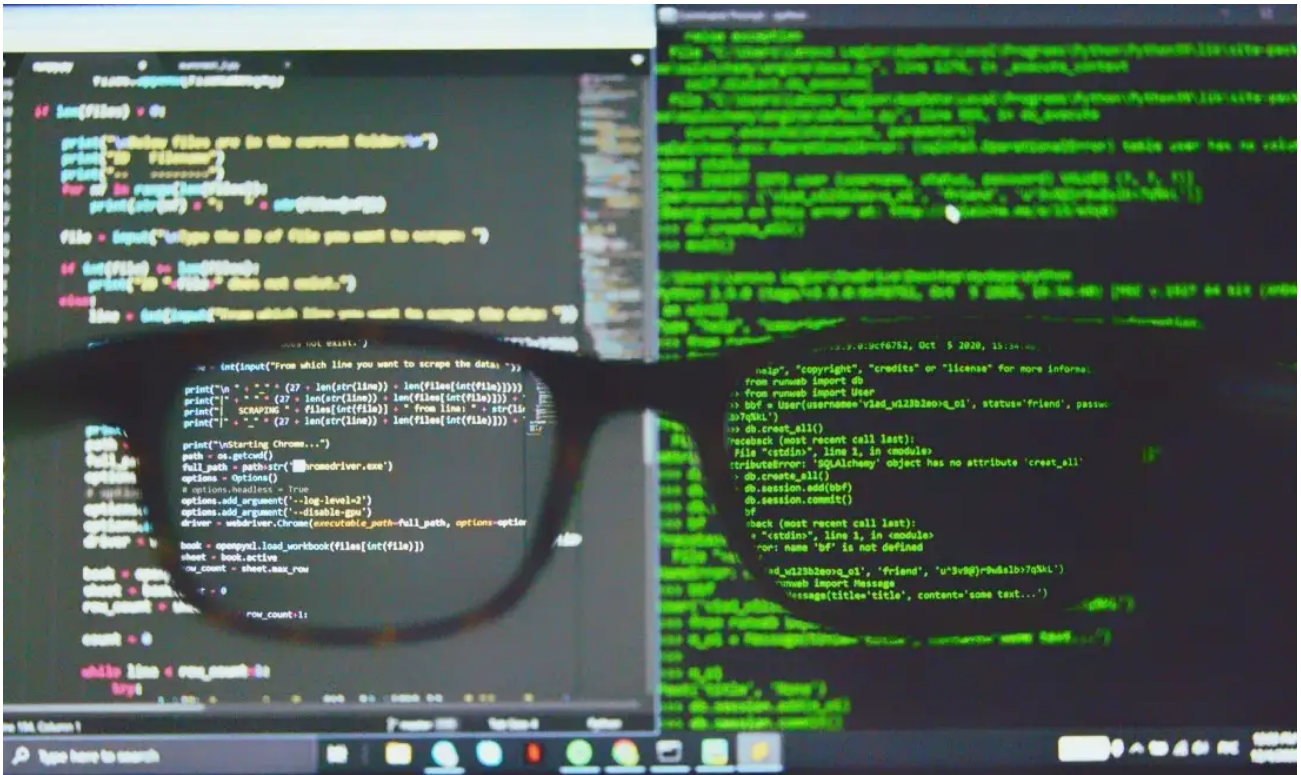
# in Your Next Project

Power up your Python development

Photo by Alex Chumak on Unsplash

There is a proverb "You don't have to reinvent the wheel". Libraries are the best example of that. It helps you to write complex and time-consuming functionality in an easy way. According to me, a good project uses some of the best libraries available.

This article is a part of a series on the awesome libraries for Python in which I always compiled a list of 7 Python libraries that will help you in your development journey.

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## 1. locust

```python
from locust import HttpUser, task, between

class QuickstartUser(HttpUser):
    wait_time = between(1, 2)

    def on_start(self):
        self.client.post("/login", json={"username":"foo", "password":"bar"})

    @task
    def hello_world(self):
        self.client.get("/hello")
        self.client.get("/world")

    @task(3)
    def view_item(self):
        for item_id in range(10):
            self.client.get(f"/item?id={item_id}", name="/item")
```

This is one of the most-starred python libraries with more than 19k stars on GitHub. Testing is one of the most important phases of software development. This is an easy-to-use, scriptable and scalable performance testing tool. You define the behavior of your users in regular Python code, instead of being constrained by a UI or domain-specific language that only pretends to be real code. This makes this library infinitely expandable and very developer friendly.



**GitHub - locustio/locust: Scalable user load testing tool written in Python**

Locust is an easy to use, scriptable and scalable performance testing tool. You define the behaviour of your

github.com

## 2. loguru

```
>>> from loguru import l
```

I think logging is one of the most used methods for debugging. This library is intended to make Python logging less painful by adding a bunch of useful functionalities that solve the caveats of the standard loggers. Using logs in your application should be an automatism, this library tries to make it both pleasant and powerful. This library has more than 13k stars on GitHub.

**GitHub - Delgan/loguru: Python logging made (stupidly) simple**

Loguru is a library which aims to bring enjoyable logging in Python. Did you ever feel lazy about configuring a logger...
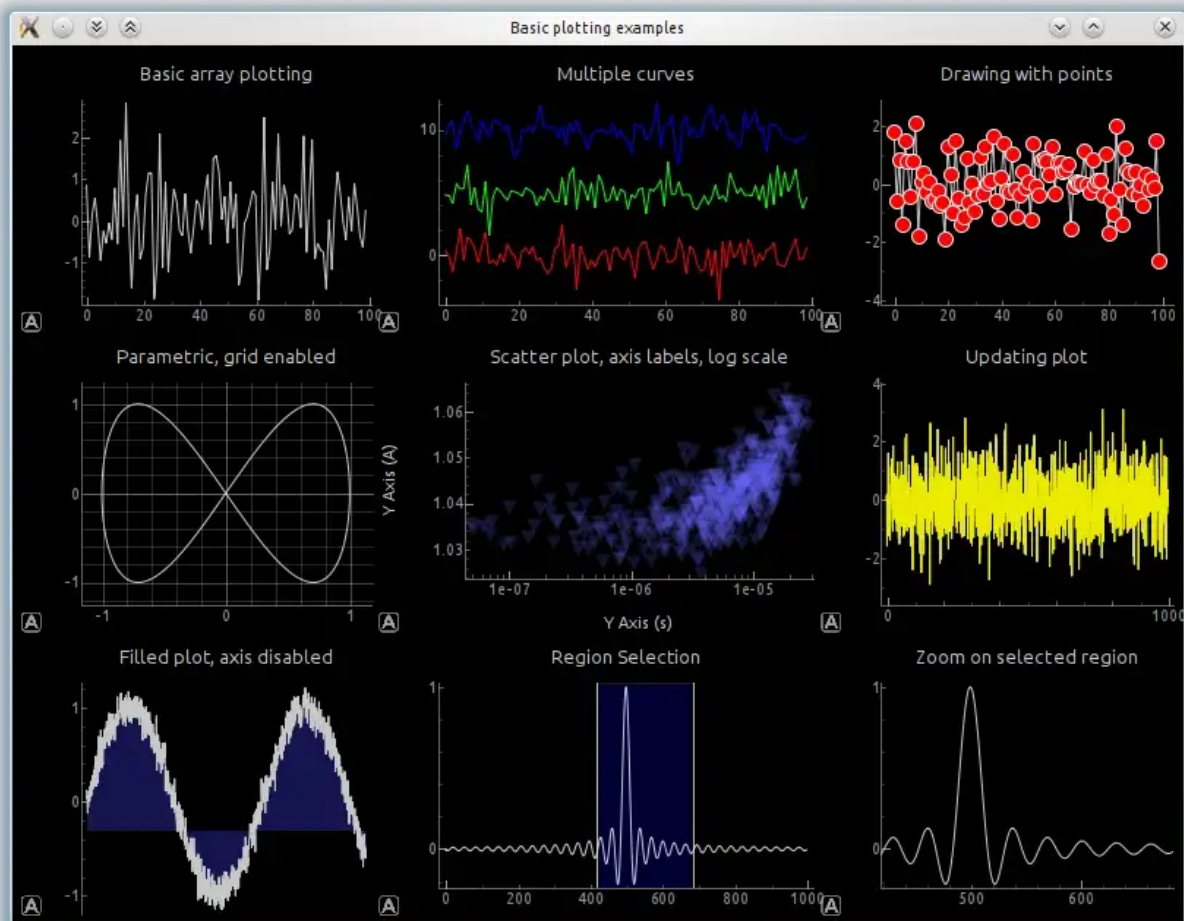
github.com

ͱ/loguru

made (stupidly) simple

26k ☆ 13k 552
Used by      Stars      Forks

## 3. pyqtgraph

Visualizing data will help developers to know what this data wants to say. This library is intended for use in mathematics / scientific / engineering applications. Despite being written entirely in python, the library is fast due to its heavy leverage of NumPy for number crunching, Qt's GraphicsView framework for 2D display, and OpenGL for 3D display. It has more than 3k stars on GitHub.

**GitHub - pyqtgraph/pyqtgraph: Fast data visualization and GUI tools for scientific / engineering...**

A pure-Python graphics library for PyQt5/PyQt6/PySide2/PySide6 Copyright 2020 Luke

github.com

## 4. faust

It's from <u>Robinhood</u>. This is a stream processing library, ports ideas from <u>Kafka Streams</u> to Python. It is used to build high-performance distributed systems and real-time data pipelines that process billions of events every day. It does not use a DSL, it's just Python. This means you can use all your favorite Python libraries when stream processing like NumPy, PyTorch, Pandas, NLTK, Django, Flask, SQLAlchemy, ++. It has more than 6k stars on GitHub.

**GitHub - robinhood/faust: Python Stream Processing**

Python Streams # Forever scalable event processing & in-memory durable K/V store; # as a library w/ asyncio &

github.com

ood/**faust**

Processing

1k    5k    544
Used by  Stars  Forks

## 5. requests-HTML

If you have to parse HTML then this is a good resource for you. This library intends to make parsing HTML (e.g. scraping the web) as simple and intuitive as possible. It includes lots of features like full JavaScript support, CSS Selectors (a.k.a jQuery-style, thanks to PyQuery), XPath Selectors, for the faint of heart, Mocked user-agent (like a real web browser), and many more. It has more than 12.5k stars on GitHub.

## 6. pyinfra

This library automates infrastructure super fast at a massive scale. It can be used for ad-hoc command execution, service deployment, configuration management, and more. It includes features like super-fast execution over thousands of hosts with predictable performance, agentless execution against SSH/Docker/subprocess/winrm hosts, integrated with Docker, Vagrant/Mech & Ansible out of the box, and many more. It has more than 3k stars on GitHub.

**GitHub - Fizzadar/pyinfra: pyinfra automates infrastructure super fast at massive scale. It can be...**

pyinfra automates infrastructure super fast at massive scale. It can be used for ad-hoc command execution,

github.com

## 7. more-itertools

If you want to power up your processing functionality then this is a good resource for you. This library is a gem you can compose elegant solutions for a variety of problems with the functions it provides. It collects additional building blocks, recipes, and routines for working with Python iterables. It has more than 2.7k stars on GitHub.



**GitHub - more-itertools/more-itertools: More routines for operating on iterables, beyond itertools**

Python's itertools library is a gem - you can compose elegant solutions for a variety of problems with the

github.com

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## Where is the other part?

There are lots of awesome python libraries. I want to share as many as possible resources to make your development journey easier.

If you want to know more awesome python libraries please check the below.

### 7 Useful Python Libraries You Should Use in Your Next Project

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### 7 Useful Python Libraries You Should Use in Your Next Project
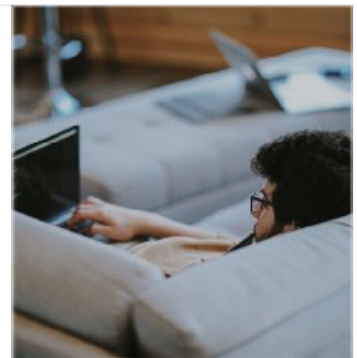
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That's all for today. I believe these libraries will help you a lot in your development journey.

If you know of any other beautiful Python libraries, please share them in the comments. Until we meet again…Cheers!

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