Github Repo. Aggregator API

A Pitch By Tribe F

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INTRODUCTION

WHAT IS AN API ?

APIs are used to send / receive requests from a client or server.

SCOPE

There are wide range of uses for an api, get data from an external source, trim according and use it.

ROLE OF A ROBUST LANGUAGE

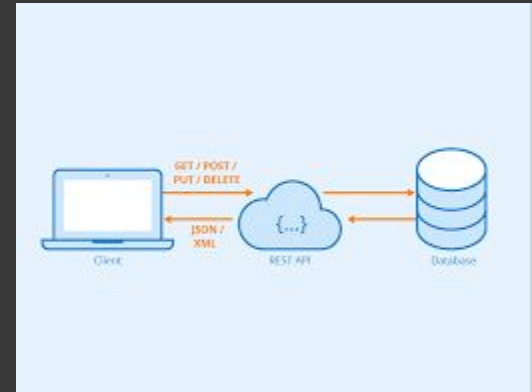Python being the most used language for data handling

01

How an API works and
how it can be used

INTRODUCTION

- What is an API ?

- Applications of an API

- Scope of the projects

PROJECT OVERVIEW

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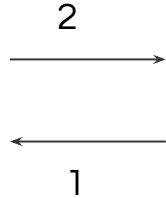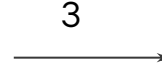## GITHUB API

As soon as a query request is made with the github id, the API sends the data

DEPLOYED SOFTWARE

The software send server requests and receive data from the server and process it

TKINTER UI

Upon receiving the normalized data, we display the data using Tkinter UI

INPUT REQUIREMENTS

GIT TOKEN

Token / public key to access Git API, generated by github

GITHUB ID

A search query to fetch details for (Repositories, commits, contributors)

SERVER

Send request using the server to the github api

OUTPUT DATA

Repository Name

Contributors

aws

Tkinter

python

Date of Commits
(Start - End)

If the server request is valid or not
(Success / Failed Run)

Approach 1

Tech stack (1) : Well Designed UI
Combining the frontend , backend, framework technologies
we develop a robust UI to render data dynamically

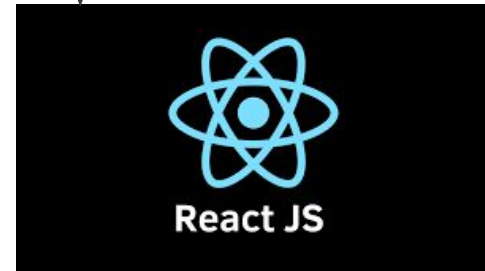# TECH STACK (1): USING REACT & JAVASCRIPT

Github Data Source

Processing data using javascript

Static Page
(HTML & CSS)

Dynamic Rendering using
Javascript & React

Approach 2

Tech stack (2) : Basic UI
Combining python inbuilt modules together with
dependencies

TECH STACK (2) : PYTHON & TKINTER

Thank You

We Would love to answer any question :

- Not sure about the tech stack ?
- Want some changes ?