Sreejith T Das

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PROFESSIONAL EXPERIENCE

Software Engineer — Mar 2022 – May 2024
Turbolab Technologies — *Kakkanad, KL, India*

- **Developer Tool Web Application** - *Role: Sole Fullstack developer* - Developed and deployed a custom JSON configuration parser and internal web UI using Python, Flask, Javascript, PostgresSQL, Mongodb, Docker, Tailwind, Gunicorn and nginx which is used by a team size of 26 people everyday for an ongoing big MNC project. It uses JSON configuration as input to extract data from html tags using, json from script tags using miner library. It also uses recursion to perform extraction when there is sub configuration.This is a complex app has 20 - 30 endpoints and subprocess involiving complex algorithms. This project is the foundation of the bigger MNC project and is the biggest project secured by the company and its brand Scrapehero boosting its revenue by double.
- **SheetFilter Dashboard and UI** - *Role: Sole Fullstack developer* - Developed and deployed an internal web app to easily filter, search and sub-classify sheet data consisting of more than a million rows based on various requirement using Python, Flask, Javascript, Pandas and Requests. App filters csv using the requirement, on clicking each of the grouped results it navigates to the subgroup and give various actions that the user needs to perform. It has an option to scrape test urls given in each row. This app boosted a recurring MNC task billed monthly by cut shorting time required to do this 80%. This cut short 3 hours of work into 15 minutes job.
- Developed a handful of algorithms from scratch which made some seemingly impossible tasks possible.
- Worked in numerous projects using Python, Docker, Redis, Flask, Pandas, Asyncio, Requests, Shell scripting.

Python Developer — *Mar 2021- Mar 2022*

- Numerous Projects related to web scraping, data extraction and manupulation
- Used Airflow, Redis, asyncio, pandas and other libraries for various tasks.

OPEN SOURCE PROJECTS

JSON Miner | *Python, Algorithms, Data Structures* — Mar 2023 – Present

- Developed an algorithm to extract all json data from any kind of texts including raw HTML optimally.- View on github
- It uses custom algorithm to find chunks of text using the idea of balancing brackets.
- This open source project was later used by the company with my permission for various projects.

Task Manager | *Flask, React, Javascript and Mongodb* — May 2024 – Present

- This project is a simple task management application that allows users to create, update, and delete tasks. Users can view a list of tasks and filter them by status. This application includes both front-end and back-end components, ensuring a complete and functional task management system.- View on github
- This project used mongodb and encrpyted password(md5) stored when a user registers to store there tasks to view across devices

TECHNICAL SKILLS

Languages: Python, Javascript, SQL (Postgres), Mongodb, Query DSL(Elastic), HTML/CSS, regex
Frameworks: Flask, React, Tailwind, Playwirght, Django
Developer Tools: Git, Bash(Shell Scripting), Docker, Node, Redis, Vim, Sublime, Flake8, Pylint
Libraries: pandas, NumPy, asyncio, Matplotlib, NLTK

PROFESSIONAL DEVELOPMENT

Computational Thinking and Data Science - View Certificate   2019 - 2020
HackerRank Problem Solving Certification - View Certificate   2017 - 2020
Harvard's CS50 Web Programming with Python and Javascript   2020 - 2021

UNIVERSITY EDUCATION

Bharat Mata College — Thrikkakara, KL, India
Bsc.Physics Main — *June 2010 - April 2013*

Presidency College - Banglore University — Hebbal Bangalore, KA, India
MBA Finance and HR - Not completed — *June 2014 - April 2016*