

Symon Mwenewungu

FULL STACK WEB DEVELOPER

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PROFESSIONAL SUMMARY

A highly creative individual with excellent web development experience, an ability to learn new methodologies very quickly, wide-ranging professional skills and solid commercial experience (including major clients such as the government). And also Results-oriented professional developer with 4 years of experience and a proven knowledge of Python, JavaScript and Flutter. Aiming to leverage my abilities to successfully fill the Web developer role at any company.

EXPERIENCE

FULL STACK WEB DEVELOPER

Noodles.dev (May 2022 – November 2022)

- Successfully searched, found and fixed all the bugs Django, React, and Javascript left behind by previous developers.
- Built a web scraper using Playwin, BeautifulSoup, python natural language processing library (NLP) and Httpx to visualize the weblink that is being posted.
- Improved the user experience on the site by adding smooth transition Javascript and CSS animation.
- Researched, documented and selected alternatives for frontend architecture or technologies to be used.
- Created a Rest API using django rest to communicate better with the frontend
- Successfully debugged an external scrapping library called newspaper. It was failing to process Javascript based websites. Like websites build with Vue and react.
- Developed AWS Python Lambda endpoints which were exposed via AWS API Gateway. This involved developing an OAuth library and an API client backend.

- Successfully wrote blog articles on a numerous technology mostly used in web development such as supervisord, systemd, docker, Node js, react js, express js, Pandas, Tensorflow, Pytorch, Numpy, etc

FULL STACK WEB DEVELOPER

Wisemen.io (August 2021 - April 2022)

- Re-designed the frontend using bootstrap, Vue Js and Chart Js to offer the end user a smooth and good website experience.
- Used pandas to develop a web application which mimics how excel operates. The web application was able to do calculation, add data, polish data and store data just as excel did. It was also able to aggregate the data based on the dates.
- Researched, tested and intergraded a secure payment system for the website.
- Developed Charts which were able to update in realtime as the data was being entered.

FULL STACK WEB DEVELOPER (INTERN)

Cyberise Gmbh (March 2020 - February 2021)

- I built several django applications for clients in python.
- Integrated headless as RESTful web-services API using a PostgreSQL database, redis-cache & celery-tasks.
- Debugging extensively in Jupyter-Notebooks.
- Adding the frontend in Vue.js3 / Typescript + TailwindCSS.
- Participated in Solving the coding-challenges of AdventOfCode in Python which takes part in every December.
- Developed a docker and django skeleton templates for faster development of new projects for new clients.

FREELANCER

(May 2018 - December 2019)

- Wrote final year projects using Django, flask, and Flutter for final year college students.
- Wrote programming assignments for final year students.
- Developed webscrapers for clients online using BeautifulSoup, scrapy, playwin, selenium, httpx, requests and httpx.
- Participated in a lot of coding challenges and competitions.

SKILLS

Python

- Competent Django coder and architect from project inception to realisation.
- Coding to best practices and PEP8 standards where possible.
- Full stack design and administration for web projects.
- Data integration/ETL scripting and design.
- Microservices development using Django Rest Framework and/or Flask.
- Setting up Redis or Celery to be used by python applications

Relational Databases (MySQL/PostgreSQL)

- Thorough knowledge of SQL; Ability to build complex queries for reporting applications; Views, stored procedures and functions; Table engine, layout and field type optimisation.
- Experience implementing PostGIS databases for applications which require spatial lookups and related functionality.
- Designing databases for applications

Web Servers (Apache/NGINX)

- Installation, configuration, maintenance and optimization.
- SSL implementation with HTTP to HTTPS request redirects.
- Configuration and optimisation of NGINX as a static file server (listening on ports 443/80), routing all non-static requests to Apache via reverse proxy for backend handling.

JavaScript (AJAX/JQuery/Alpinejs/React/Vue)

- AJAX with the jQuery helpers. Server-Sent Events (EventSource) to enable the streaming of data from the server to the client, thus negating the traditional need for a polling loop (where available on the client).
- Implementation of non-blocking asynchronous code utilising modern JavaScript Promise functionality (where available on the client).
- Experience using ReactJs and Vue in tandem with a REST backend.

Linux Administration

- Confidence in the terminal; Server setup and maintenance.
- IPtables configuration, lockdown and maintenance.

XSL(T)/XQuery, Docker, HTML5, HTMX, CSS3, SEO design & implementation and Memcached, RabbitMQ

EDUCATION

(May 2019 – November 2022) Business Administration

Malawi university of science and technology- Blantyre,
Malawi (Currently on break I took a gap year)

(February 2018 – May 2019) Bachelor of Science: Computer science

University of People – United States