Derby Matoma

Experienced fullstack developer leveraging on a design and problem solving to create accessible digital experiences.

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Zahra Breeze 4B 1, Nshama Townsquare

Relevant Experience

Full-stack software engineer, Digital Unicorn
sept 2021 -Present

Deliver high quality websites and web-apps
for a diverse array of clients including notable
media houses, educational institutions and government
enterprises using React and Django rest framework.
Collaborate with UI/UX designers , creative directors and frontend
developers to deliver research and data based solutions that meet
clients' requirements.
Supporting company's accessibility initiatives including technical
writing such as code documentation and content creation.
Implementation of DevOps, site admin practices and server design
for seemless deployment of websites.
Creation, intergration and maintaining restful APIs for various
web-application to ensure efficient distribution of digital
functionability.
Employed VueJS, React, Flask and django frameworks.

Back-end Web Developer, Aroom Marketing
Jan 2020-October 2021

Designed and wrote code for robust server side applications using
concise principles ideal for server-side and frontend communication.
Created and maintained restful APIs.
Implemented noSQL databases like mongoDB and SQL databases
including POSTGRES and SQL for efficient data delivery and
management.
Built web-apps using python frameworks including Django,
django-rest API and flask.
Intergrated various systems into one unionised easy to manage
system andd ensure efficient database management practices
Facillitated scripting, version control, containerisation and hosting
enviroment management to ensure continous delivery
and intergrtion of updates (CI/CD)using docker, git and kubernetes.
Responsible for unit & intergration testing, web secutiry through
authentication, authorization and encryption.
Used scrum among various agile methodologies for consistent
timely delivery of projects.
Employed best web-server practices to ensure correct networking
and load balancing.

Electrical wiring supervisor, Prevail Construction
sept 2019 -2020

Worked with electricians in DB dressing and apartment
unit testing.
Facillitated intergration of smart house systems within
hose wiring.
Tested functionability of sound and security systems
such as alarms and door bells .
Designed and implemented wiring for electrical appliances
like gas stoves and laundry machines.
Created systems and schemas that have correct load balancing
requirements .

Skills

Programming languages

Javascript, HTML, CSS, Typescript,
Python , MatLab & C

Libraries & Frameworks

Django, Django-rest APIs, Flask,
React, VueJs, Gatsby,Bootstraps,
Pandas, numpy, tensorflow, plotly-Dash

Tools & platforms

Docker, Nginx, Git, github, vercel,
wordpress, netlify, railway, Kubernetes,

Design

Adobe Indesign, Adobe illustrator,
Adobe photoshop,Figma, Adobe XD,
Adobe After effects, Spline, Final cut pro X,
DaVinci Resolve.

Featured Projects

Created plant disease detector app that provides
relevant prescriptions including chemicals. The app
uses tensorflow image classification models that
are served through a restful API and tf serving via
docker. The app takes in diseased plant images and
predicts disease , then uses LLMs like GPT4 to
produce relevant human-like prescriptions.

Created a portfolio Asset manager that uses Modern
Portfolio theory to select assets that provide the
higest returns with least draw downs. The app
users covariance for more than 100 Asset classes and
evaluates their covariance . To assses the risks of any
constructed portfolio the app also runs up to 10000
montercarlo simulations. The extensively uses
plotly dash, python pandas, numpy and django.

view my projects: https://derbymatoma.netlify.app/

Education

BEng Electrical and Electronic engineering,
Heritot Watt University   Aug 2019-

Deep Learning & Linear Regression(cert)
Stanford University   Jan 2023- Aug 2023

GCSE & Advanced Level
Ruya Adventist Highschool
Jan 2012- Aug 2018