Eze Ihechi Festus

Front End Developer/Machine Learning Engineer

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ABOUT

I am a dedicated front-end developer with a keen interest in machine learning and four years of experience building scalable applications. As a quick learner, I don't hesitate to experiment with new technologies, and my diverse skill set has enabled me to work on a wide array of projects, ranging from building and maintaining websites to constructing automated trading systems and exploring machine learning-based solutions. I also excel in planning, execution, and problem-solving, and I'm committed to staying updated on industry trends, exploring emerging technologies, and working diligently with collaborative teams that value growth to build features and deliver quality software solutions. I find carrying out research a fun and fulfilling process.

SKILLS

Languages

- Python and Bash
- JavaScript and TypeScript

Tools

- **ML Frameworks and Libraries:** NumPy, Pandas, Matplotlib, SKLearn, TensorFlow, OpenCV, HuggingFace Transformers, Haystack by Deepset, Langchain.
- **Web Scrapping Tools:** Requests, BeautifulSoup, Selenium.
- **Frontend Development Tools:** React, Angular, Redux, RxJS, MUI, Bootstrap, TailwindCSS, Cypress, Jest, React Testing Library, Cypress.
- **Other Tools:** Git and GitHub, PyQT6, PostgreSQL.

Cloud and Hosting Platforms

- Firebase
- Google Cloud Platform(GCP)
- **Hosting Platforms:** Firebase, Heroku, Netlify, Vercel.

Other Skills

- Content Writing and Research

EXPERIENCE

GotRight Innovations Limited, Nigeria - *Frontend Developer*

Dec 2022 - PRESENT

- Managed projects using Trello for increased efficiency and productivity.
- Established continuous deployment(CD) processes for automated website deployments.
- Optimised existing systems, leading to enhanced performance.
- Integrated Google Analytics for comprehensive analytics management.
- Iteratively working with users' feedback to build and improve, in collaboration with team members, additional Yivera features.

GotRight Innovations Limited, Nigeria - *Freelance Frontend Developer*

Jul 2022 - Nov 2022

- Liaised effectively with team members to build the company's MVP: Yivera.
- Maintained, improved, and migrated the previous codebase to a new codebase, ensuring clarity, readability, and quality for better maintenance.
- Built engaging web pages.
- Developed 90%+ of Yivera's frontend features and functionalities, including users' and administrators' account management and functions.

Syftset Innovations Limited, Nigeria - *Founder/FullStack Developer*

May 2022 - Feb 2023

- Founded and developed Syftset from the ground up, employing the React library for frontend development, PostgreSQL for database management and Python, Flask, and Firebase for other backend features.
- Engineered automated trading systems using Binance and MetaTrader APIs, data manipulation, and creation/backtesting of trading strategies with Python libraries like Pandas and NumPy.
- Applied machine learning techniques for currency price prediction, developing and implementing multiple machine learning models using Python and its libraries, some of which include Scikit-Learn, Statsmodels, Numpy, and Pandas.
- Evaluated model performance, identified challenges, and iteratively refined model designs to address real-world complexities.
- Managed hosting and scheduling services on Heroku, ensuring seamless operation of applications.
- Effectively used cloud-based resources such as GCP's cloud functions, cloud storage and cloud scheduler to run and guarantee the reliability of automated trading systems built.
- Demonstrated adaptability and problem-solving skills in response to unexpected outcomes, showcasing resilience in the face of challenges.
- Integrated web socket connection for real-time communication between client and server applications, ensuring that trading signals were served to users in real time.
- Incorporated Push Notifications to enable sending messages and updates to users even when the app is not open, prompting them when new trading signals are generated.

- Grew the platform to more than 100 users before it was discontinued.

Unique Help Global Concept Limited, Nigeria - *Freelance Frontend Developer*

Nov 2020 - Mar 2021

- Led the development of the company's website frontend using Angular and TailwindCSS, overseeing and managing its progress.
- Managed projects using Notion for increased efficiency and productivity.
- Utilized tools such as Postman (for API testing) and Google Analytics (to monitor site engagements and visits).
- Independently designed the website, wrote content, and brought designs to life through code.
- Built all users' and administrators' pages and their functionalities.

ADDITIONAL EXPERIENCE

Nhub Foundation, Nigeria - *Frontend Developer(Intern)*

Sept 2019 - Feb 2020

- Collaborated with team members to build various web-powered initiatives.
- Researched and Authored content for projects and actively contributed to front-end development.
- Led teams in presenting projects' goals and projections to stakeholders.
- Tutored peers in HTML/CSS, JavaScript, and Python.

National Youth Service Corps, Nigeria - *Corps Member(Mandatory)*

Jan 2023 - Dec 2023

- Completed a one-year mandatory National Youth Service Corps (NYSC) program in Etsako Local Government Area, Edo State, Nigeria.
- Assisted in office operations and provided support for various administrative tasks.
- Networked with fellow corps members and others, engaging in community programs.

World Health Organization, Nigeria - *Independent Monitor(Volunteer)*

Sept 2023 - Oct 2023

- Ensured the proper implementation of the September Outbreak Response (OBR-1) program in Etsako LGA, Edo State.

EDUCATION

University of Jos, Nigeria - *Bachelor of Engineering(B.Eng)*

Aug 2015 - Nov 2021

- Electrical and Electronics Engineering (Graduated with Upper Second-Class Honours)

CERTIFICATIONS

- AWS Machine Learning Foundations: [Digital Certificate from Udacity](#)
- Configuration Management and the Cloud: [Digital Certificate from Coursera](#)
- Troubleshooting and Debugging Techniques: [Digital Certificate from Coursera](#)
- Using Python to Interact with the Operating System: [Digital Certificate from Coursera](#)
- Learn Enough Command Line to Be Dangerous: [Digital Certificate](#)

PORTFOLIO LINKS

- GitHub Profile: https://github.com/The-Professor99
- LinkedIn Profile: https://www.linkedin.com/in/ihechi-festus
- Portfolio Site: https://ihechifestus9.web.app

PERSONAL PROJECTS

- [CAMSyFReT](#): A Face Recognition-based Class Attendance Management Application built using Python's machine learning libraries including Scikit-Learn, OpenCV's computer vision and PyQt6 for the GUI.
- [Music Downloader](#): A music scraper that utilizes web data scraping techniques to automate the seamless downloading of songs from music hosting sites, circumventing the need to navigate through ads. Built with Python, leveraging the Requests, Selenium and BeautifulSoup libraries. This tool was conceived and implemented before the widespread adoption of music streaming platforms.
- Other Projects: https://ihechifestus9.web.app/#projects