

Emmanuel Okoro

Software Engineer.

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Summary

A passionate Software Developer with over five years of demonstrated expertise in Python, JavaScript, React.js, Docker, Data Science, and Cloud Services, with a proven track record of delivering innovative software solutions for multiple startups worldwide.

Experience

Software Engineer, [DataSwift](#), U.K (Contract).

11/2022 – 10/2023

Tools: Python, FastAPI, TypeScript, React, AWS, PostgreSQL, Docker, Ansible, Circleci, Jira.

Project:

Building an eKYC solution that is an identity platform focused on securing personal information and managing authorizations linked to this information and to an unforgeable identity.

- Collaborated within a geographically dispersed team of five Engineers spanning four continents, functioning as a full-stack developer on an eKYC Web App.
- Successfully established a CI/CD pipeline utilizing tools such as Github, CircleCI, AWS CLI, Cloudformation, Ansible, and Prometheus in shipping and monitoring new features and performance on an eKYC web App.
- Wrote over 800 comprehensive test script scenarios for API functionalities on eKYC Web App.
- Orchestrated the creation of API documentation using Swagger and OpenAPI standards for over 800 API endpoints.

Python Developer, [Explore-AI](#), South Africa

09/2021 – 11/2022

Tools: Python, Flask, AWS, Postgres, Pyspark, Docker, Ansible, Circleci, Reactjs, & Jira

Key Accomplishment ([Explore-AI](#), South Africa):

- Successfully designed, implemented, and deployed a Movies Recommender System using Machine Learning on AWS for the IrokTV project, resulting in a remarkable 25% increase in customer retention and repeated patronage.
- Led the successful development and deployment of a Sentiment Analysis Machine Learning Model on AWS, leveraging tweet data from over 100,000 Twitter users to comprehensively analyze sentiments around climate change.
- Collaboratively worked with a team of talented Data Scientists to effectively tackle the Spain Electricity Shortfall Challenge. Together, we created and deployed a Machine Learning Model on AWS that intelligently determined the best sector for directing energy sector investments, resulting in a remarkable 50% reduction in energy shortfalls.

Full stack Developer, [Izigo](#), Nigeria

04/2019 - 09/ 2021

Tools: JavaScript, Python, Reactjs HTML, CSS

Key Accomplishment ([Izigo](#), Nigeria):

- Successfully launched a static webpage through AWS S3 bucket, seamlessly integrating a CDN service using AWS CloudFront for the MVP, which recorded 700 active users within two months.
- Contributed collaboratively to the deployment of a resilient web application utilizing AWS CloudFormation. Orchestrated the setup across dual Availability Zones, ensuring high availability via a Load Balancer and Internet Gateway. Employed NAT Gateway for private Subnet services and maintained proactive monitoring through Autoscaling for provisioned Instances for over 10,000 active users.
- Discerned opportunities for enhancements within the existing codebase, leading to the strategic development of impactful modifications of the existing codebase that reduced error logs by 17%.

Skills:

- Software development: Python (fastAPI, Flask), TypeScript (React.js, Node.js), HTML, CSS(Tailwindcss).
- DevOps: CircleCI, Ansible, Prometheus, Docker, Linux/Shell, Kubernetes.
- Data Science: ETL, Statistics, Machine Learning.
- Cloud Computing: AWS, BigQuery.
- Project Management Tools: Github, Slack, Jira, Trello.
- Fluent Communication (English).
- Adept Listener.
- Time management.
- Problem Analysis & Solving.

Languages:

- English (native).
- Igbo (native).
- Yoruba (fluent).

Education:

- Udacity (11/2022 – 02/2023): Cloud-DevOps Nanodegree.
- Explore Data Science Academy (10/2021 – 10/2022): Data Science.
- University of Lagos, Nigeria (10/2015 – 06/2017): MSc. Electrical Engineering.
- University of Nigeria, Nsukka (01/2006 – 06/2011): BEng. Electrical Engineering.