Fakorede Akolade Abbas

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PROFESSIONAL EXPERIENCE

Software Developer
KMG Group Ltd. | Virtual | Oct 2023 – Jul 2024

- Built a scalable and responsive web application with a Python backend, ensuring optimal user experience.
- Integrated RESTful APIs for third-party services, enhancing functionality and automation.
- Optimized database queries with MySQL, reducing page load times.
- Monitored system performance using AWS CloudWatch, improving communication efficiency by 30%.

Junior Software Developer
Wizick Legal Tech Ltd. | Virtual | Aug 2022 – Apr 2023

- Architected a robust backend system for a Document Management platform, managing over 10,000 documents.
- Automated workflows with API integration, reducing manual tasks by 50%.
- Implemented cloud infrastructure on AWS, optimizing deployment with Docker and Linux OS tuning.
- Enhanced database performance by integrating SQL systems.

Fullstack Web Developer (Internship)
RFM360 | Virtual | Mar 2022 – Aug 2022

- Developed backend services using Django REST Framework, improving the scalability of a content management application.
- Integrated OpenAI API for AI-driven content generation, increasing content production by 20%.
- Transitioned the frontend from HTML/Django to React.js, enhancing UI performance and user experience.

Fullstack Web Devloper (Internship)
Anchorsoft Academy | Lagos, Nigeria | Aug 2021 – Mar 2022

- Mentored students on building full-stack web applications, guiding them in developing HTML/CSS frontends and connecting them to Python-based backends.
- Taught API development and database management techniques (PostgreSQL, MySQL), ensuring students could build and deploy complete applications.
- Provided hands-on mentorship in deploying projects to production environments, helping students gain practical experience in web development.

PROJECTS

AI-Powered Recommendation System for E-Commerce

- Developed a recommendation engine using FastAPI, Ninja, and collaborative filtering, reducing API response times by 40% through caching and database optimizations.

- Deployed on AWS EC2, optimizing system performance with PostgreSQL for real-time product recommendations.

School Management System with Chat Features
- Designed and deployed a real-time communication platform for teachers and students using Django and WebSocket.

AI-Powered Research Tool with Accurate Referencing
- Built a web-based research tool utilizing FastAPI and OpenAI API to generate research content with automated references, increasing accuracy and efficiency by 35%.
- Optimized API performance with caching and load balancing on AWS EC2, ensuring high availability and scalability.

SKILLS

Programming Languages: Python, JavaScript
Frameworks & Libraries: Django, Flask, FastAPI, Ninja, React.js
Databases: MySQL, PostgreSQL, MongoDB
Tools: Docker, Git, GitHub, Linux, AWS Cloud (EC2, S3),
Cloud Platforms: AWS (EC2, S3, RDS)
Other: API Development, Web Scraping, Caching, Machine Learning (NLP, Sentiment Analysis)

EDUCATION

University Of Ilorin, Kwara, Nigeria.   2015-2022
Bachelor of Engineering – Agricultural and biosystems Engineering.