BAMIWO MOSES ADEBAYO
Backend Developer
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SKILLS

- Programming Languages: Python, JavaScript
- Databases: PostgreSQL, MongoDB, MySQL
- Frameworks: Django, Flask, Express.js, Node.js
- Cloud Services: AWS
- DevOps Tools: Docker
- Version Control: Git

PROJECTS

DIY Creative Display

Description: A web application where users can showcase their do-it-yourself (DIY) projects. Whether it's Home decor, Crafts, Art and Design or any other creative endeavor, users can upload images and descriptions of their projects to share with the community.

Technologies Used: Flask, PostgreSQL, Nextjs, Tailwind CSS

Contributions:

- Designed and developed RESTful APIs using Flask to handle user authentication, project submission, and community interactions.
- Implemented a robust user authentication system, including registration and login using JWT token.
- Architected and optimized the PostgreSQL database schema to efficiently store and retrieve project data, user information, and interactions.
- Integrated image upload and storage functionality, ensuring secure handling and efficient retrieval of media assets.
- Developed backend logic for dynamic search and filter features, enabling users to easily find and explore various DIY projects.
- Collaborated with the frontend team to define API requirements and ensure seamless integration between the backend and frontend components.

Github: DIY Creative Display
Live Link: DIYCreativeDisplay

MoodScribe

Description: MoodScribe is a user-friendly mental health journaling application designed to help individuals track their moods, reflect on their daily experiences, and gain insights into their emotional well-being.

Technologies Used: Node.js (Express), MongoDB, React, Tailwind CSS

Contributions:

- Designed and developed RESTful APIs using Express.js to handle user authentication, project submission, and community interactions.
- Implemented a robust user authentication system, including registration and login using JWT token.
- Architected and optimized the MongoDB database schema to efficiently store and retrieve project data, user information, and interactions.
- Collaborated with the frontend team to define API requirements and ensure seamless integration between the backend and frontend components.

Github: MoodScribe Github repo
Live Link: MoodScribe

AIRBNB Clone

Description: A web application that replicates few functionalities of Airbnb
Technologies Used: Flask, MySQL
Contributions:

- Designed and developed database models using MySQL to manage users, property listings, bookings, and reviews.
- Developed RESTful APIs using Flask to handle user authentication, property listings, booking processes, and reviews.
- Designed and optimized the MySQL database schema to efficiently store and retrieve user data, property listings, booking information, and reviews.
- Deployed the application on Nginx using AWS EC2 instance.
- Configured Flask to handle both backend and frontend requests efficiently.

Github: [Airbnb Clone](#)

Files Manager

Description: This project is a summary of authentication, NodeJS, MongoDB, Redis, pagination and background processing. The objective is to build a simple platform to upload and view files
Technologies Used: MongoDB, Redis, NodeJS, ExpressJS, Kue
Contributions:

- User authentication via a token
- List all files
- Upload a new file
- Change permission of a file
- View a file

Github: [File Manager](#)

PROFESSIONAL EXPERIENCE

ALX Africa, Nairobi — Software Engineer

June 2023 – July 2024

- Collaborated with cross-functional teams to gather architectural solutions and implement new features and user experience
- Implemented a responsive design (AirBnB clone) and ensured cross-browser compatibility.
- Active participant in cross-functional teams, contributing to exceptional back-end and front-end solutions.
- Gained expertise in Bash scripting, HTML5, CSS, JavaScript and Python

HNG Internship, Nigeria – Backend Developer

March 2024 - July 2024

- Designed and developed scalable backend systems using Django and PostgreSQL.
- Implemented RESTful APIs to enhance the functionality of web applications.
- Managed and optimized database schemas and queries.
- Collaborated with frontend developers to integrate user-facing elements with server-side logic.
- Dockerized Full Stack Web Application Deployment on AWS EC2 instance
- Ensured the security and performance of web applications through regular testing and maintenance.

EDUCATIONAL QUALIFICATION

Software Engineering | ALX Africa | 2024
B.Sc. Biochemistry | University of Ilorin, Nigeria | 2019

REFERENCE

Available on request