JESULAYOMI MICHAEL AINA

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EXPERIENCE

GatherGo | Contract | Remote   January 2024 – April 2024
Software Engineer (Backend) | GatherGo | Python | Django | MySQL | Postman
- Designed infrastructure for models, established CRUD patterns and built API documentation.
- Wrote test suites and obtained 55% code coverage by writing over 30 requests in Postman.
- Applied 13 successful API deployments with only 3 rollbacks, giving an 81% deployment success rate.

NUESA FUNAAB | Volunteer | Remote   August 2023 – March 2024
Full-Stack Software Engineer – nuesafunaab | Next.js | Django-REST-Framework
- Integrated Django-REST API with existing Next application resources, resulting in a full-stack application for use by over 1200 students.
- Performed code review and completely refactored over 8000 lines of code to conform to clean, readable, and DRY code.

Backend Developer – Demetrius | Django | DRF
- Implemented RESTful API to serve data of more than 700 books with over 2.7GB total file size through Google's Drive API.
- Applied Drive API user authentication by using Google OAuth scopes to allow 100% read and write access to the required books Drive folder.

Backend Developer – Lets-attend-backend Flask | Flasgger
- Created the backend Restful API for an Event Management web application using Flask.
- Developed authentication and Rest API views to support event management features.
- Wrote comprehensive documentation using flasgger and established community guidelines for contributors, which reduced average daily API issues to 2 daily.

PROJECTS

Veda | Veda   November 2023
FUNAAB Undergraduate Project – Arduino C++ | Flask | MySQL | HTML/CSS | Bootstrap
- Created a hardware and software system that tracks student attendance and displays this data to staff and teachers by building hardware components and writing system and application logic.
- Integrated an Arduino UNO Microcontroller, R307 biometric sensor, and ESP01s Wireless module to build the biometric system, capable of handling 512 students with a false acceptance rate of 0.0001%.
- Implemented data export from SQL database to Excel worksheet, allowing staff to retrieve attendance data, by porting DB queries to JSON and then to CSV.

SCHub | SCHub   July 2023
ALX Africa Foundations – React.js | Flask | Trello | Flasgger | MySQL
- Rapid project delivery by developing the MVP specification in 2 days, deploying MVP in 2 weeks, and launching the full application in another 3 weeks.
- Increased the average speed of the web application by over 35% by scaling out the infrastructure and implementing a round-robin load balancer.
- Achieved 99% task completion rate by using Agile methodology on Trello, completing 83 of 84 tasks within the 5-week project duration.

EDUCATION

Federal University of Agriculture, Abeokuta (FUNAAB)   December 2023
Bachelor of Engineering in Electrical and Electronics Engineering (B.ENG)
- Project: Web-based attendance system with fingerprint verification and database storage (Veda).

SKILLS & OTHER

Core: Python | JavaScript | Django | Flask | React | Git | Github | Linux | Bash | SQL | C | C++ | Postman | Next | HTML | CSS | MySQL | XML | Flasgger | Node.js | Linux |Devops | Google APIs | JQuery | DNS | ORM
Other: Agile Methodology | Object oriented programming OOP | Electrical engineering | REST APIs | Payment services | Continuous Integration | PostgreSQL | MongoDB | Google Cloud Console | NoSQL | PostgreSQL | IOT
Certifications: ALX Software Engineering Certificate | Postman API Test Automation |