ALI OGOCHUKWU PETER
Backend Engineer

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OBJECTIVE

Passionate and detail-oriented backend engineer with expertise in JavaScript (Node.js) and Python (Flask). Skilled in designing scalable architectures, implementing secure authentication systems, and integrating third-party APIs. Adept at problem-solving and software optimization, with a strong commitment to delivering high-quality solutions that enhance user experience. Seeking an opportunity to contribute my expertise within a dynamic engineering team.

EXPERIENCE

FinImage Data Solutions Ltd
Backend Engineer (Internship)
January 2022 – July 2024

- Developed backend features for multiple e-commerce platforms using Node.js and MongoDB, improving system efficiency by 40%.
- Implemented JWT-based authentication to ensure secure user access and session management, reducing unauthorized access by 60%.
- Integrated Flutterwave payment gateway, optimizing transaction validation and fraud prevention, leading to a 30% reduction in payment-related disputes.
- Designed and managed MongoDB schemas for user accounts, products, and orders, enhancing query performance by 35%.
- Developed business logic for order processing, authentication, and payment validation, reducing order processing time by 25%.
- Collaborated with frontend engineers to optimize API performance and improve user experience, resulting in a 20% increase in user satisfaction.

Projects:

Flower Imperial – E-Commerce Platform for a Floral Shop

Technologies: Node.js, Flutterwave API

- Integrated Flutterwave payment system, ensuring seamless transactions.
- Developed payment validation and error-handling mechanisms.
- Improved payment security measures in alignment with industry best practices.

[Outbound AI Backend – AI-Powered Call Automation System](#) (HNG INTERNSHIP)

Technologies: FastAPI, PostgreSQL, OpenAI GPT-4o, Deepgram Nova 3, ElevenLabs TTS, WebSockets, Celery, Redis, Docker

- Developed modular backend for AI-driven voice automation in the Nigerian market.
- Integrated Deepgram Nova 3 ASR for speech-to-text conversion, reducing transcription errors by 35%.
- Leveraged GPT-4o for intelligent conversation handling, improving AI responses by 40%.
- Implemented ElevenLabs Turbo V2.5 for AI-powered voice synthesis.
- Developed WebSocket-based real-time transcription service, enhancing system responsiveness.
- Designed PostgreSQL database schemas for storing call logs and analytics.
- Implemented Celery task queuing for handling bulk call automation.
- Integrated custom webhooks to send AI-generated call reports to third-party platforms

[Telex Automated Resume Scanner](#)

Technologies: Python, Flask, spaCy, Regular Expressions, JSON Configuration

- Built an AI-powered resume processor that extracts key details (Name, Email, Phone, Skills), improving recruitment efficiency by 50%.
- Implemented skill-matching for automated resume screening.
- Developed structured webhook notifications for real-time data processing.
- Designed RESTful APIs for resume upload and data extraction.

SKILLS & TECHNOLOGIES

- Backend: Node.js, Express.js, FastAPI, Flask
- Database: MySQL, MongoDB, PostgreSQL
- Authentication: JWT, OAuth
- Payment Integration: Flutterwave API
- DevOps & Deployment: Docker, Redis, Celery
- Cloud & APIs: REST APIs, WebSockets, AWS
- AI & NLP: OpenAI GPT-4o, Deepgram ASR, ElevenLabs TTS, spaCy
- Version Control: Git, GitHub

SOFT SKILLS

Problem-Solving, Team Collaboration, Critical Thinking, Effective Communication, Adaptability, Time Management

EDUCATION & CERTIFICATIONS

Yaba College of Technology
Computer Science (O.N.D), 2022