KENECHUKWU NWOGU

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EDUCATION

University of Lagos, B.Sc.Electrical and Electronics Engineering.   January 2019 – October 2025

WORK EXPERIENCES

Backend Developer   Aug. 2025 - Present
[GENIUS BY PETTYSAVE](#)

- Fixed and resolved critical bugs that reduced losses by 3%.
- Implemented a transaction polling system utilizing scheduled cron jobs, which significantly mitigated customer friction related to resolving pending transfers. This intervention resulted in a 75% reduction in the backlog of pending debit transactions.
- Integrated an Administrative API and comprehensive auditing system, resulting in streamlined operations and accelerated customer resolution times.
- Maintained database scripts to execute account audits and semi-automated transaction resolutions.

Fullstack Developer   May. 2025 - July 2025.
[ITMO UNILAG](#)

- Developed 100% of the user-interface for the bot features and chat questionnaires.
- Implemented RAG and managed embeddings on the database to perform context management with the LLM.
- Integrated OAuth features that sped up user onboarding by 50%.
- Engineered a memory management system enabling the conversational agent to retain context, thereby significantly enhancing the overall user experience.

Backend Developer   Sept. 2022 - March 2025
NATALBOND

- Developed core infrastructure to provide basic healthcare services, and an interactive community for over 1000 women conceiving and trying to conceive.
- Improved the real-time system performance by reducing latency by over 20%.
- Implemented an anonymous messaging system that brought a sense of safety and privacy. This increased daily messages and activity by 10%.
- Integrated a broadcast push-notification system with Firebase, improving our customer outreach programs and allowing us to send broadcasts to over 500 users simultaneously.

Backend Developer   June - August 2024
SEEDX

- Developed and implemented a system designed to provide a streamlined platform for clients to procure real estate services and properties for their dependents.
- Implemented a referral award system that incentivized user participation and application usage, resulting in the acquisition of over 800 new users within the initial hours of the launch.
- Designed a centralized global ledger system to meticulously track all inbound and outbound transactions, significantly enhancing the application's security monitoring capabilities and serving as a robust measure against fraudulent activity.
- Implemented a distributed payment plan service, enabling customers to finance property acquisitions over extended periods (6 months, 1 year, 3 years). This feature contributed to a 10% increase in user purchases.

Backend Developer   March 2023 - March 2025
DIETBLOOM

- Collaborated with the data science team to integrate key features, such as calorie calculations and auto-generated meal plans, thereby significantly improving the adoption of a healthier food culture in Africa.
- Integrated internal APIs to track and generate personalized meal plans for families, contributing significantly to a 10% increase in family user acquisition.
- Implemented a flexible subscription-based system, which contributed to 80% of the company's income.

- Enhanced system performance by 15% through the implementation of background batch processing for system tasks, thereby facilitating the immediate and efficient retrieval of meal plans with reduced latency.

SKILLS AND TOOLS

Programming Languages: **JavaScript, Python, C#, SQL**.
Frameworks: **Express.js, Nest.js**, **.NET Core, Django, Flask, Langchain, AI-SDK**
Databases and Message Queues: MongoDB, PostgreSQL, Firebase Cloud Store, Redis, RabbitMQ,
DevOps Technologies: Docker, Azure, Entity Framework
Miscellaneous: Git, MVC Architecture, Dependency Injection, Object Oriented Design, Web Scraping and Automation, AI Agent Development, Retrieval Augmented Generation