

EMMANUEL NWOSU

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B.Sc. Computer Science | 3 Years Experience | Available Immediately

PROFESSIONAL SUMMARY

I am a Backend Engineer with 3 years of experience building secure, scalable, and efficient web systems. I specialize in Python, Django, and Tkinter, with a strong focus on Test-Driven Development (TDD). I have successfully designed and optimized APIs, databases, and system architectures for robust backend applications. My development approach ensures maintainable code, performance, and seamless integration with frontend systems.

KEY SKILLS

Backend & API Development

Python (Django, Flask)

Django Rest Framework (DRF)

RESTful API Design & Integration

Test-Driven Development (TDD) using Django's test framework

Database Management

PostgreSQL, MySQL, SQLite

Schema Design & Optimization

Query Performance Tuning

Security & Authentication

JWT, OAuth2, Session Management

Role-based Access Control

Frontend (Basic)

HTML, CSS, JavaScript (Foundational)

Dev Practices

Version Control: Git & GitHub

Debugging & Logging

Documentation & Code Reviews

PROFESSIONAL EXPERIENCE

Python/Django Instructor

Psalm - Aba, Nigeria | Jan 2022 - Present

- Deliver structured training sessions on Python, Django, and Tkinter.
- Develop and update course materials including projects, tutorials, and assessments.
- Guide students through real-world coding challenges, debugging, and project building.
- Promote clean coding practices, software development principles, and TDD.
- Provide mentorship and evaluate students through assignments and practicals.

EDUCATION

Clifford University - Bachelor's Degree in Computer Science

LANGUAGES

English (Fluent)