

# NWORAH EBUKA AUGUSTUS

## MID-LEVEL BACKEND WEB DEVELOPER

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Backend Developer focused on building efficient, scalable systems and delivering measurable results. Experienced in designing and implementing RESTful APIs, optimizing database performance, and deploying microservices-based applications using Python and Node.js. Proven ability to collaborate cross-functionally and ship reliable, production-grade backends that improve performance and developer productivity.

### SKILLS SUMMARY

- **Programming Languages:** Python, SQL, JavaScript (Node.js)
- **Frameworks & Web:** Django, FastAPI, Express.js, RESTful APIs, Microservices
- **Databases & Storage:** MySQL, SQLite, MongoDB, DBMS Design, Query Optimization
- **DevOps & Tools:** Docker, Git, GitHub, Postman, Visual Studio Code, PyCharm, CI/CD fundamentals
- **Core Competencies:** Backend Development, API Design & Integration, Authentication & Security, Performance Tuning, Workflow Automation, AI Prompting for developer productivity

### EXPERIENCE

#### SecureCipher – Encrypted Transaction Middleware, [www.securecipher.app](http://www.securecipher.app)

- Tech Stack: Django, Ed25519 (EdDSA), ECDH, REST API, React
- Built a secure middleware for encrypted client–bank API communication using elliptic curve cryptography.
- Developed a stateless API gateway for encrypted JSON routing and verification.
- Designed modular handlers for encryption workflows and enforced passwordless, PIN-free authentication.

#### Smart CBT System – Digital Examination Platform for Secondary Schools

- Tech Stack: Django, SQLite, JavaScript, Docker
- Designed a Computer-Based Test (CBT) system to replace paper-based exams in secondary and tertiary institutions.
- Built secure backend APIs for question management, randomized test delivery, and automated scoring using Django.
- Integrated authentication, role-based access (admin, teacher, student), and time-controlled assessments.
- Focused on exam data integrity, easy deployment, and seamless result computation through optimized database design.

### ACHIEVEMENTS & LEADERSHIP

- IEEE Robotics and Automation Society (**RAS**) – Student Volunteer & Project Contributor
- Supported automation and software innovation projects.
- IEEE Industrial Applications Society (**IAS**) – Active Member (2025)
- Recognized for contributions to software-focused activities and technical event participation.
- **Tech4Dev Software Development Program (2024)**
- Completed an intensive software development training program, focusing on backend systems and API integration.
- **IEEEExtreme Programming Competition (2025)** – Participant  
Competed in the global 24-hour coding marathon organized by IEEE, solving algorithmic and backend challenges under time constraints.

### EDUCATION BACKGROUND

#### Bachelor of Electronic and Computer Engineering

Nov 2021 - Sept 2026

#### Nnamdi Azikiwe University, Awka

- **Relevant Coursework:** Embedded Systems, Microcontrollers & Interfacing, Computer Architecture, Digital Logic Design, Control Systems, and Circuit Analysis

### INTERESTS

Networking | backend scripting | cloud hosting | system optimization | embedded systems | cryptography | creative problem-solving, and continuous learning.