

JOHN UGHIOVHE

Backend Engineer

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I'm a Backend Engineer with hands-on experience building scalable web applications using TypeScript, Node.js, Express and NestJS. Strong foundation in RESTful API development, authentication systems, real-time applications, and database design. Passionate about writing clean, maintainable code and delivering user-focused solutions.

Projects

Eventful (Full Stack ticketing platform)

Jan 2026 - Feb 2026

- Developed a full stack event ticketing platform using TypeScript, React, Node.js, and Express, demonstrating proficiency in front end languages and back end development.
- Designed and implemented RESTful APIs with proper validation and error handling, ensuring robust web architecture.
- Integrated Redis caching, improving response performance and reducing redundant database queries.
- Implemented JWT authentication and role-based access control (Event Creators & Attendees) for secure web applications.
- Wrote unit and integration tests using Jest, improving application reliability.
- Configured and documented APIs using Swagger (OpenAPI) to enable interactive endpoint testing and faster developer onboarding.

Restaurant ChatBot (Chat-Based Food Ordering System)

Dec 2025 - Present

- Built modular REST APIs using NestJS and TypeScript for menu management, orders, and payments, adhering to web architecture best practices.
- Integrated Paystack payment gateway with real-time verification handling.
- Designed session-based ordering system without login requirement to improve accessibility.
- Structured relational database schema using SQLite and TypeORM.
- Developed responsive frontend chat interface with real-time backend integration.

Real-Time Multiplayer Guessing Game

Oct 2025 - Present

- Built a real-time multiplayer game using Node.js, Express, and Socket.IO.
- Implemented WebSocket-based bidirectional communication for low-latency gameplay.
- Developed game logic including timers, scoring system, rounds, and player attempts.
- Designed scalable event-driven server architecture to support multiple concurrent users.
- Built responsive frontend interface using HTML, CSS, and JavaScript.

Core Skills

Languages: TypeScript, JavaScript, ES6+, HTML5, CSS3, Tailwind CSS

Backend: Node.js, Express.js, NestJS, REST APIs, JWT Authentication, Role-Based Access Control, Redis, Socket.IO

Databases: PostgreSQL, MongoDB, SQLite, MySQL, TypeORM

Tools & DevOps: Git, Postman, Swagger (OpenAPI), Jest, Render, Vercel

Concepts: API Design, MVC Architecture, Caching, WebSockets, Error Handling, Unit & Integration Testing, Web Applications, Front End Web, Full Stack, Back End, Web Design

Education

AltSchool Africa

Mar 2025 - Mar 2026

Diploma Software Engineering

Ambrose Alli University

Nov 2013 - 2017

B.Sc. (Ed.) Technical Education

Languages

English (*Proficient*), Chinese (*Basic*)

Certificates

Project Management Professional

2019

Project Management Institute (PMI)