

# Ifeoluwa Okesola | Backend Engineer

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## SUMMARY

A backend engineer passionate about applying her skills to solve complex computational problems and contribute to the advancement of technology. She has experience working with modern technologies such as Javascript, TypeScript, Node.js, NestJS, React.js MySQL, MongoDB,, with a focus on building scalable, secure, and efficient systems. She is eager to contribute her skills to the growth and success of your product and organisational goals.

## PROFESSIONAL EXPERIENCE

### **BeerTechAfrica - AB InBev - Backend Engineer**

June 2023 - present

- Engineered a rule-based backend system that tracks driver offenses.(e.g speeding, seatbelt violations e.t.c) and automatically assigns penalty points
- Implemented automated flow to trigger coaching when driver's points exceed a certain threshold, and firing recommendations for consistently high-risk drivers.
- Designed and built logic to auto-clear points after 3 months, promoting better behaviour improvement.
- Integrated with third-party services, including Google Geocoding API, to retrieve driver locations from latitude and longitude, enabling location-aware offense tracking.
- Developed endpoints to highlight top-performing and underperforming drivers for performance review and reward systems
- I ensure the system is extensible to support new offense types and policy changes with minimal effort.
- I utilize NestJs with TypeScript to build scalable, maintainable APIS and TypeORM with MS SQL Server for efficient data management and querying.

### **Impact**

- Supported safety and compliance goals by encouraging behavioural correction through coaching automation
- Enabled proactive driver management and reduced manual intervention in HR processes

### **Interswitch Nigeria, Remote - Backend Engineer (Job Shadowing)**

Mar 2024 - May 2024

- Led a cross-functional team, coordinating tasks, code reviews and feature delivery.
- Developed a product blacklist management system using C# and .NET, enabling compliance and operations teams to efficiently manage restricted products across the platforms.
- Built key features including:
  - Role-based access control, allowing only authorized users to perform sensitive blacklist actions.
  - Audit trails for tracking actions taken on blacklisted items.

- Product listing, search, blacklist/unblacklist controls and display of blacklist reasons.
  - Collaborated with frontend developers to integrate APIs with user interfaces.
  - Deployed the application to Microsoft Azure, ensuring secure, scalable and cloud ready access
  - Achieved a top-three ranking in cohort IV of the Interswitch Job Shadowing program.

### **FxPal- Hephzit Technology - Backend Engineer (Contract)**

January 2024 - March 2024

- Built the core backend of a fintech currency exchange platform using NestJs, gRPC, TypeScript, and MongoDB, focusing on performance, security and scalability.
- Designed and implemented a multi-level KYC(Know Your Customer) system, including:
  - BVN verification, email confirmation and tier-based identity validation.
- Integrated third-party services for real time data and financial operations.
- Collaborated with frontend developers and the product team to deliver a secure and user-friendly experience from registration through to transaction

### **Dream Centre Of The Life Oasis International - Volunteer Software Engineer**

May 2023 - present

- Engineered a check-in/out application using NestJS, GraphQL, MongoDB, and Mongoose, tailored to improve security and efficiency during services and events.
- Developed a QR code-based check-in/out system, eliminating manual entry errors.
- Implemented a real time queuing system to streamline high-traffic check-in periods and reduce wait times for parents and staff.

#### **Impact**

- Cut check-in/out time by over 50%, improving operational flow during services and events.
- Strengthened child safety and accountability through secure and trackable access.

## **Technical Skills**

- Programming Languages: Javascript, Typescript, C#
- Database Technologies: MySql, MsSql, Postgresql, MongoDB
- ORM/ODM: Sequelize, Mongoose, TypeORM
- Backend Development: Node.js, NestJs, GraphQL
- Frontend Development: React.js
- API Documentation: Swagger, Postman
- Cloud Platform: AWS, Azure
- VersionControl: Git

## **CERTIFICATIONS**

- Javascript Algorithms and Data structures-FreeCodeCamp
- Backend Development and APIs Certification-FreeCodeCamp

## **EDUCATION**

Diploma in Cloud Engineering, AltSchool Africa

November 2024 – October 2025

Certificate in Software Development (*magna cum laude*), Women Techsters Fellowship, Tech4Dev

August 2022 – February 2023

Post graduate Diploma in Chemistry, Bayero University Kano

September 2019- February 2022

Bachelor of Education Chemistry, University of Ibadan

September 2009- December 2013

## **AWARDS and Achievements**

- Top three team, interswitch job shadowing 2024
- First runner up, 2023 hackathon event with International Breweries Plc, receiving a prize of \$2000.
- Top 20 of 100 capstone projects with women techsters fellowship.