

# OGUDU SYLVESTER O.

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## PROFESSIONAL SUMMARY

Results-oriented Backend Developer with 4 years of hands-on experience building scalable APIs and backend services using Node.js, NestJS, Express.js, Sequelize ORM and MongoDB. Proficient in RESTful API design, authentication/authorization (JWT, RBAC), database optimization, and integration of third-party services such as payment gateways. Experienced in documenting APIs using Swagger/Postman and working in Agile environments. Strong problem-solving mindset with additional background in WordPress Development, digital marketing and analytics.

## PROFESSIONAL EXPERIENCE

### Backend Developer (Remote)

B-Cloud Technologies, Abakaliki

October 2024 – Present

- Developing and maintaining scalable and modular APIs using Node.js, NestJS, and Express.js for various projects, including Ogeri Health Foundation and Cyclewise Menstrual tracking app.
- Designed database schemas (MongoDB & MySQL) using Mongoose, Sequelize/Prisma ORM.
- Building secure user authentication system using JWT and bcrypt.js, supporting RBAC.
- Integrating third-party services such as payment gateways.
- Optimized backend performance by implementing pagination and indexing.
- Ensuring data integrity and application responsiveness through input validation, error handling and testing (Jest).
- Collaborated with frontend developers through a well-documented API endpoints using Swagger/Postman.
- Using Git and GitHub for version control, pull requests, and collaborative team.

### Achievements:

- Successfully engineered scalable RESTful APIs for high-impact projects like Ogeri Health Foundation and Cyclewise Menstrual Tracker, improving backend efficiency and feature delivery speed by 30%.
- Designed and optimized database schemas using MongoDB (Mongoose) and MySQL (Sequelize/Prisma ORM), reducing data retrieval time through pagination and indexing strategies.
- Ensured system reliability and data integrity through extensive validation, error handling, and automated testing using Jest, reducing bugs by 40%.

### Backend Developer

The Curve Africa by Kora, Lagos

December 2021 – November 2024

- Designed and implemented scalable and modular RESTful APIs using Node.js and Express.js for various projects, including kindraiseweb, food ordering app and student of the week app.

- Implemented secure user authentication and authorization using JWT and Role-Based Access Control (RBAC) for admin, NPO, and individual user roles.
- Optimized backend performance by implementing pagination and caching where necessary.
- Documented all backend APIs to support frontend integration and streamline onboarding.
- Developed dynamic database schemas and queries using MongoDB (Mongoose).
- Collaborated with frontend developers and participated in code reviews.
- Deployed and monitored backend services on platforms Renders, Vercel and others.

### **Achievements:**

- Delivered production-ready RESTful APIs using Node.js and Express.js for core projects like KindRaiseWeb, a Food Ordering App, and a Student of the Week App, enhancing functionality and user experience.
- Successfully deployed and monitored applications on platforms like Render and Vercel, ensuring uptime and performance in production environments.
- Improved backend response time by 25% through efficient database structuring and optimized queries.

## **HIGHLIGHTED 3 RECENT BACKEND PROJECTS**

### **1. Cyclewise Menstrual-Tracker App**

**Live Demo:** <https://github.com/Sylvergold/cycleWise-Menstrual-App>

- Designed and implemented modular RESTful APIs using NestJS, ensuring scalability and maintainability.
- Built and managed dynamic MongoDB schemas and leveraged Prisma ORM for structured data modeling and querying.
- Implemented secure JWT authentication and Role-Based Access Control (RBAC) to manage user permissions and data privacy.
- Developed the Symptom Module, enabling users to log and track physical and emotional symptoms across their menstrual cycles.
- Wrote unit and integration tests with Jest, ensuring over 90% test coverage and minimizing production bugs.

### **2. Ogeri Health Foundation – Electronic Health Record (EHR) System**

**Live Demo:** <https://ogerihealth.org>

- Developed a complete backend for health data tracking using Node.js, Sequelize, and MySQL.
- Features include patient registration, BP tracking, medication records, doctor consultations, and offline mode.
- Implemented secure login for both patients and health workers with JWT.

### **3. KindRaiseWeb – Digital Fundraising Platform**

**Live Demo:** <https://kindraise.vercel.app/>

- Built scalable APIs for donations, campaign management, and user onboarding using NestJS and MongoDB.
- Integrated secure payment gateways and analytics for donation tracking by state/month.
- Designed role-based admin dashboards and implemented access control.

## **CORE TECHNICAL SKILLS**

- **Languages & Frameworks:** JavaScript, Node.js, NestJS, Express.js
- **Databases:** MySQL, MongoDB, Sequelize ORM
- **API & Tools:** RESTful APIs, Swagger, Postman, JWT, RBAC, Git, GitHub

- **Cloud & Deployment:** Render, Heroku, Railway, Vercel.
- **Other:** Technical Documentation, API Versioning, Error Handling, Agile Practices

## **ADDITIONAL EXPERIENCE**

### **Digital Marketing Specialist**

Ziza Digital Marketing Agency, Lagos

March 2020 – February 2021

- Led social media campaigns and managed paid ads (Google/Facebook).
- Utilized analytics tools to boost campaign ROI by over 70%.

## **EDUCATION**

### **B.Sc. in Statistics**

Michael Okpara University of Agriculture, Umudike, Abia State

2010 – 2014

## **CERTIFICATIONS**

- Software Engineering (Backend Development) – The Curve Africa by Kora (2021)
- Professional Digital Marketer – Digital Marketing Skill Institute (2020)
- Project Management Certificate – IIPSM (2018)

## **SOFT SKILLS**

- Critical Thinking | Problem Solving | Time Management
- Team Collaboration | Communication | Analytical Reasoning

**References available upon request.**