

JOSEMARIA OLUCHUKWU ODUMODU

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PROFESSIONAL SUMMARY

I'm a Backend Engineer specializing in building scalable server-side applications and APIs. With a solid foundation in full-stack development, I've evolved to focus primarily on backend architecture, database design, and system optimization. I transitioned from designing physical buildings as an Architecture graduate to architecting digital solutions in software. This background gives me a distinctive approach to problem-solving, where I apply spatial thinking to create robust, scalable applications.

When I'm not coding, you'll find me mentoring aspiring developers to help them navigate their career paths without getting stuck in tutorial hell. My mission is to make their journey smoother than mine was, believing strongly in work-life balance and the power of a well-rested developer.

WORK HISTORY

Backend/Full Stack Engineer, 02/2025 – Current

Link:

<https://expo.dev/preview/update?message=fix%3A%20close%20all%20group%20modals%20thoroughly%20after%20deleting%20a%20group&updateRuntimeVersion=1.0.0&createdAt=2025-05-28T15%3A38%3A48.288Z&slug=exp&projectId=8998fc37-c020-464c-be37-55c77e1c3529&group=9e556c71-7fdd-41fb-8a44-0fc88d8639fd>

MS. SOUMYA MANDALAPU – USA

- Architecting and developing **BumpIt**, a real-time location-based dating application with instant messaging capabilities using **NestJS**, **MongoDB**, **Socket.io**, and **Node.js**
- Implementing robust backend infrastructure using NestJS framework for scalable API development
- Designing and optimizing MongoDB database schemas for efficient user matching and location-based queries
- Integrating Socket.io for real-time messaging functionality and live user interactions
- Collaborating with frontend developers to establish API contracts and ensure seamless integration
- Actively participating in daily stand-up meetings and utilizing Agile methodologies to meet project milestones

Backend Engineer, 11/2024 - 01/2025

Link: <https://unspokenn.com/>

MS. SOUMYA MANDALAPU - USA

- Developed **Unspokenn**, a secure platform for sensitive incident reporting with emphasis on user privacy and data protection using **NestJS, MongoDB, and Node.js**
- Implemented comprehensive authentication and authorization systems using JWT and role-based access control
- Designed scalable database architecture with MongoDB for storing and managing sensitive incident data
- Conducted thorough security audits and implemented encryption protocols for data protection
- Collaborated closely with frontend developers, UI/UX designers, and product managers to deliver user-friendly solutions

Backend Engineer, 11/2024 - 01/2025

Link: <https://teleclinux-react.vercel.app/>

TELECLINIX PROJECT – Startup funded project

- Collaborated with a cross-functional team during AltSchool Africa program to build teleclinux, a comprehensive telemedicine platform enabling secure video consultations between patients and healthcare providers using **NestJS, PostgreSQL, and Node.js**
- Architected relational database design using PostgreSQL for managing patient records, appointments, and medical data
- Implemented RESTful APIs for appointment scheduling, patient management, and secure communication features
- Ensured HIPAA compliance and implemented robust security measures for protecting sensitive healthcare information
- Conducted comprehensive testing and debugging to ensure high-quality deliverables

Full Stack Developer, 07/2024 - 09/2024

Link: <https://de-eventful.vercel.app/>

EVENTFUL PROJECT - Remote

- Developed **Eventful**, a comprehensive full-stack ticketing platform designed to simplify event creation, ticket sales, and attendee management using **Express.js, MongoDB, Redis, React, Vite, and TypeScript**
- Built robust backend APIs using Express.js with MongoDB for data persistence and Redis for caching and session management
- Implemented secure payment processing integration and real-time ticket availability updates
- Created responsive frontend interface using React, Vite, and TypeScript for optimal user experience

- Utilized Git for seamless version control and team collaboration, leveraging branching and merging strategies

Frontend Developer, 01/2023 - 04/2023

SHOPLIVERY - Remote

- Developed **Shoplivery**, a cross-platform e-commerce mobile application providing affordable and easy access to goods and services using **React Native, TypeScript, Tailwind CSS, and Native-base**
- Balanced frontend and backend development, utilizing expertise in React Native to ensure seamless project execution
- Collaborated with designers to ensure seamless UX and with backend developers for API integration
- Implemented atomic design system methodology for building scalable and maintainable design systems using reusable, modular components
- Actively engaged in peer code review process and executed comprehensive testing suites

Frontend Developer, 11/2022 - 12/2022

Link: <https://joint-power-security-gold.vercel.app/>

JOINT SECURITY NETWORK - Remote

- Built **Joint Security Network**, a responsive web application providing clients with convenient access to professional security services using **Next.js, JavaScript, and Tailwind CSS**
- Effectively collaborated with UI/UX designers and backend developers to establish API contracts and implement RESTful interfaces
- Conducted thorough testing to achieve seamless integration between frontend and backend components
- Utilized modern development practices and efficient coding techniques to create reliable and user-friendly platform
- Deployed successfully to <https://joint-power-security.vercel.app/>

Frontend Developer, 09/2022 - 10/2022

Link: <https://smfesthackathon.vercel.app>

ANAMBRA TECHIES - Anambra, Nigeria

- Contributed to the development of **Fundin**, an innovative donation application enabling skilled professionals to showcase expertise and receive grants using **Next.js, TypeScript, Tailwind CSS, and SASS**
- **Secured 2nd place** in the prestigious **SMFest Hackathon** as part of Anambra Techies community
- Applied technical skills in collaborative environment and gained exposure to emerging technologies and innovative solutions

- Provided feedback and suggestions for improvements, actively contributing to design and development process
- Utilized technical expertise and agile methodologies to address design flaws and ensure efficient development process

Frontend Developer, 08/2022 - 09/2022

Link: <http://girma-gamma.vercel.app/>

GIRMA PROJECT - Remote

- Developed **Girma**, a web application helping startups secure funding through strategic training and mentorship programs using **React.js, JavaScript, Tailwind CSS, and SASS**
 - Implemented responsive design principles ensuring optimal user experience across different devices
 - Collaborated with cross-functional team to deliver high-quality results within tight project timelines
 - Utilized Git proficiency for streamlined collaboration and integration of new features
 - Deployed successfully to **<http://girma-gamma.vercel.app/>**
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TECHNICAL SKILLS

Backend Engineering Skills:

- **Server-Side Technologies:** Node.js, NestJS, Express.js
- **API Development:** RESTful API Development, GraphQL, API Documentation, API Integration
- **Database Management:**
 - *NoSQL:* MongoDB, Database Schema Design & Optimization
 - *Relational:* PostgreSQL, MySQL, Query Optimization
 - *Caching:* Redis, In-Memory Caching, Session Management
- **Real-time Applications:** Socket.io, WebSocket Implementation, Live Data Streaming
- **Authentication & Security:** JWT Authentication, OAuth, Role-based Access Control (RBAC), Data Encryption, Security Auditing
- **System Architecture:** Microservices Architecture, System Design, Performance Optimization, Scalable Backend Infrastructure
- **Testing:** Unit Testing, Integration Testing, Test-Driven Development (TDD), API Testing, Automated Testing Suites

React.js Expertise:

Core React: Component Architecture, State Management, Props, Hooks (useState, useEffect, useContext, useReducer)

React Native, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3

Styling & UI:

Tailwind CSS, SASS, Native-base, Responsive Design, Atomic Design System

DevOps & Infrastructure:

Docker, CI/CD Pipelines, Cloud Services (AWS/GCP), Server Configuration, Performance Monitoring

Tools & Development:

Git, GitHub, Agile Development, Scrum, Code Review, Pair Programming, Version Control

EDUCATION

Backend Engineering Program

AltSchool Africa

Class of 2023

Bachelor of Science in Architecture

Nnamdi Azikiwe University, Awka, Anambra State

Year of Graduation: 2019

Ordinary National Diploma in Architecture

Federal Polytechnic Oko, Anambra State

Year of Graduation: 2015

COMMUNITY INVOLVEMENT & ACHIEVEMENTS

- **Mentor** - Actively mentor aspiring developers, helping them navigate career paths and avoid tutorial hell
 - **Anambra Techies Community** - Active contributor and participant in tech community events and hackathons
 - **SMFest Hackathon Achievement** - Secured **2nd place** with innovative software solution, demonstrating collaborative problem-solving skills and technical excellence
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REFERENCES

References available upon request.