

Blessed Oigbochie Software Developer

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Professional Summary

I am a dedicated and forward-thinking Software Engineer with a strong foundation in backend development and full-stack engineering. With experience building high-performance platforms, optimizing systems, and delivering meaningful user experiences, I approach every project with curiosity, intention, and a genuine passion for creating solutions that make life easier for people.

My background in Biochemistry strengthened my analytical mindset, attention to detail, and problem-solving discipline—qualities that now empower my work in engineering. I love collaborating, learning, and pushing myself to grow, whether I'm designing scalable APIs, deploying cloud-based applications, or crafting clean, intuitive interfaces.

Driven by impact and guided by continuous improvement, I bring a blend of technical skill, empathy, and creativity to every team I join. I'm committed to building products that are not only efficient and reliable, but also thoughtful and user-centered.

Professional Experience

Novaxa.tech 11/2023 – Present | Benin City

Lead Software Developer

- Designed and optimized high-availability backend services using **Go** and **Node.js**, improving API response times and overall system performance.
- Implemented advanced PostgreSQL indexing and query optimization, reducing database load by 30%.
- Built and deployed full-stack features with React.js/Next.js, contributing to a 20% increase in user engagement.
- Introduced **Docker-based containerization** and improved CI/CD workflows, significantly streamlining deployment and environment setup.

RCCG SHIFT

10/2024 – 02/2024

Full Stack Developer

Redemption City, Nigeria

- Engineered and maintained the **Next.js-based rccgshift.org** 🖸 platform, ensuring high performance, SEO optimization, and reliable event handling at scale.
- Built **modular, reusable UI components** and integrated advanced frontend logic for seamless communication with backend services.
- Improved platform speed and user experience through **server-side rendering optimizations**, API stabilization, and **smart caching**, cutting load times by **35%**.
- Collaborated cross-functionally to refine system architecture, enhance deployment workflows, and support rapid feature releases.

Education & Certifications

ALX Software Engineering Certification

2023 | Lagos, Nigeria

ALX Africa

I completed the ALX Software Engineering program with a strong specialization in backend development, gaining hands-on experience in building scalable services, managing APIs, working with databases, and applying industry-standard engineering practices. The program strengthened my problem-solving abilities, system design skills, and practical understanding of modern backend technologies.

Blessed Oigbochie

M.Sc. in Medical Biochemistry

Univerity of Benin

My Master's degree deepened my scientific reasoning, data analysis, and project management abilities, which enhance my work in tech. It helped me build strong discipline in experimentation, documentation, and solving large-scale problems—skills I apply when designing backend systems, debugging, and optimizing performance.

Technical Skills

Databases

MongoDB • PostgreSQL • MySQL

I design and optimize databases to handle data seamlessly and efficiently. Whether it's SQL or NoSQL, I focus on creating structures that support smooth, reliable applications while keeping future growth in mind.

Cloud & Deployment

AWS • Firebase • Vercel • Netlify

I deploy applications on modern cloud platforms, taking advantage of serverless functions, managed hosting, and CI/CD pipelines. I enjoy seeing projects come to life online, performing reliably, and reaching users worldwide.

Cloud & Deployment

I deploy and manage applications across **AWS**, **Firebase**, **Vercel**, and **Netlify**, using serverless functions, managed hosting, and CI/CD workflows to deliver fast and reliable web applications.

Real-Time & Interactive Systems Socket.IO • WebSockets

I love bringing applications to life with real-time features. Using WebSockets and Socket. IO $\ \square$, I create experiences where users can interact instantly, whether it's live tests, queues, or notifications.

Backend & Full-Stack Development • • • • • • • Node.js • TypeScript • JavaScript • Express.js • Next.js

I enjoy building full-stack applications that are both robust and user-friendly. Using Node.js, Express, and TypeScript, I create reliable APIs and server-side logic, while Next.js helps me craft responsive, dynamic front-end experiences that delight users and perform beautifully.

DevOps & Version Control Docker • Git

I use Docker to containerize applications for consistent environments, making deployments smoother and more predictable. Git keeps my code organized and collaborative, ensuring projects stay clean and maintainable.

Programming & Systems Go (Golang) • Python

I leverage Go for fast, efficient backend services and Python for automation and scripting. Both languages let me solve complex problems elegantly and build systems that are scalable and maintainable.

Key Projects

Mindful Moms 🛮

Golang / PostgreSQL / Docker

- Architected scalable backend services for themindfulmoms.life 🖸 , supporting content management, user operations, and high-traffic workloads.
- Deployed microservices using Docker containers, enabling auto-scaling, fault tolerance, and stable production performance.
- Improved API throughput by 25% through optimized data models, query tuning, and strategic caching

School Management System 🛮

Node.js / TypeScript / Prisma

- Developed a multi-school management API powering 11+ institutions with attendance, ranking, and academic record features.
- Implemented real-time updates, secure authentication, and optimized request handling to achieve 99.9% uptime.
- · Led code reviews, collaborated in Agile sprints, and ensured maintainable, production-quality releases.

CBT Portal 🗹

Next.js / Nodejs / Socket.IO / MongoDB

- Developed an online **Computer-Based Testing (CBT) platform** (cbt.novaxa.tech 🖸) supporting real-time assessments, live test sessions, and automated result processing.
- Implemented **Socket.IO** ☑ for real-time question delivery, timer synchronization, and instant score computation.
- Built scalable Next.js components and integrated MongoDB for test data persistence, user management, and session tracking.
- Optimized backend workflows to ensure stable performance under concurrent test loads and smooth user experience during live exams.

References

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