


Emmanuel Oyebimpe

Full-Stack Developer & Software developer

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Professional Summary

Creative and versatile Software Developer with 5+ years of professional experience across web and app development, robotics, cloud computing, game development, and cybersecurity. Passionate about building **scalable, high-impact digital products** that deliver seamless user experiences across platforms.

Expert in developing responsive, interactive applications using **React, Next.js, TypeScript**, and modern UI/UX practices to ensure optimal performance and accessibility. Proven track record of crafting **secure and maintainable backend systems** with **Node.js, Python**, and scalable database solutions like PostgreSQL and MongoDB.

Skilled in **cross-platform development** of mobile and desktop software, as well as designing intuitive, visually compelling user interfaces. Built and programmed robotic systems with a strong focus on automation, real-time control, and embedded system integration.

Adept at architecting and managing **cloud infrastructure** for scalable deployment using tools like AWS, Firebase, and Docker. Now expanding into **cybersecurity and penetration testing**, with foundational experience identifying vulnerabilities, **hardening systems**, and applying security-first development strategies to modern applications.

Technical Skills

Languages & Frameworks

- React
- Next.js
- Node.js
- TypeScript
- JavaScript
- Python
- Golang
- HTML5/CSS3

Database & Backend

- MongoDB
- PostgreSQL
- Prisma
- Express.js
- RESTful APIs
- WebSocket

DevOps & Tools

- Git/GitHub
- Docker
- AWS EC2
- Firebase
- Linux
- Windows Server

Frontend & Design

- Tailwind CSS
- SCSS
- Bootstrap
- Framer Motion
- Three.js
- WebGL
- Figma
- Blender

Security & Testing

- Burp Suite
- Nmap
- Wireshark
- Penetration Testing Fundamentals
- Network Security

Marketing & Analytics

- SEMrush
- Ahrefs
- Google Analytics
- SEO Optimization

Professional Experience

Full-Stack Developer & Ethical Hacker | Active Freelancer

January 2024 – Present | Remote

- **Identified and disclosed critical vulnerabilities** on major platforms, enhancing user trust and platform resilience
- **Engineered secure, scalable applications** tailored for emerging markets, especially Africa
- **Redesigned user flows and UI logic**, boosting platform efficiency and conversion by **15%+**
- **Technologies:** React, Next.js, Node.js, BurpSuite, Golang, MongoDB, PostgreSQL

Senior Frontend Developer | NextTrendAi

January 2023 – Present | Remote

- **Built and scaled the frontend** of an upcoming African creator analytics platform designed to help video creators track content trends, SEO performance, and audience insights.
- **Engineered responsive dashboards** for early testers, supporting 10,000+ preview users across mobile and web platforms.
- **Collaborated with product and AI teams** to visualize performance metrics, trending topics, and keyword rankings tailored to the African digital landscape.
- **Improved user engagement** by simplifying onboarding and designing intuitive interfaces for creators with varying technical experience.
- **Technologies:** React, TypeScript, Golang, Tailwind CSS, Chart.js

Full-Stack Developer | Saint Isabel

January 2025 – Present | Nigeria

- **Built end-to-end educational platforms** connecting students with digital tools effortlessly
- **Created robust RESTful APIs** to seamlessly power front-end systems
- **Enhanced system performance**, reducing load times by **40%** and elevating user satisfaction metrics
- **Technologies:** Node.js, React, MongoDB

IT Support & Security Specialist | Sharma Security Team

June 2024 – August 2024 | Remote

- **Resolved 150+ support tickets** within SLA for system and network-related issues
- **Diagnosed security vulnerabilities** and performed basic audits, escalating critical threats
- **Collaborated on endpoint protection rollouts** and documented internal network security protocols
- **Technologies:** Linux, Windows Server, Wireshark, Nmap

Medical Data Researcher & Frontend Developer | UI Research Lab

January 2024 – Present | Remote

- **Analyzed vast medical datasets** to build visual insights for healthcare professionals
- **Developed custom dashboards** making complex data accessible to non-technical medical teams
- **Automated data classification** using React and Python, reducing manual sorting time by **60%**
- **Technologies:** Python, Pandas, React, Chart.js, REST APIs

Frontend Developer Intern | ALX Africa

January 2024 – September 2024 | Remote

- **Delivered clean, modern interfaces** for university platforms with intuitive navigation
- **Designed responsive UI components** for desktop and mobile, increasing platform usability
- **Implemented accessibility-focused features**, setting new internal UX benchmarks
- **Technologies:** JavaScript, React, REST APIs

Key Projects

Apple Experience 3D

3D product visualization engine with Three.js and WebGL shaders, real-time ray tracing and physics-based rendering

Three.js • WebGL • GSAP • GLSL • Custom Shaders

Clean Board SaaS

Enterprise project management platform with microservices architecture, real-time WebSocket communication, ML-powered task prioritization

React • Node.js • MongoDB • WebSockets • Redux Toolkit • AWS EC2 • Docker

CineStar Movie Explorer

Entertainment discovery platform with ML recommendation algorithms, NLP sentiment analysis, dynamic content curation
React • NLP.js • TailwindCSS • TMDB API • Redux • Framer Motion • Node.js

JustEmma AI Social Bot
Social media intelligence bot with GPT integration, Reddit trend analysis, automated job applications
Python • Puppeteer • OpenAI GPT • NLP.js • MongoDB • Express

FinalClue Forensic Tool
Medical forensic CLI tool with TensorFlow models achieving **94% accuracy** in mortality prediction
Python • TensorFlow • scikit-learn • NLTK • OpenCV • Pandas

InstantDownload Chrome Extension
Multi-platform download tool with Manifest V3, intelligent video detection, quality selection across social platforms
JavaScript • Chrome Extension • Service Workers • YouTube API • FFmpeg

BetaBuddy Discord Bot
Intelligent communication bot with Google Translate API, real-time language detection **99.7% accuracy**, automated moderation
Node.js • Discord.js • Google Translate API • Redis • MongoDB • NLP.js

OpenPort JavaScript Library
Zero-config development library eliminating API complexity through LLM integration and ML automation
TypeScript • JavaScript • LLM Integration • Cheerio • Playwright • TensorFlow.js

CryptoPulse Trading Bot
WhatsApp trading bot with blockchain APIs, whale movement detection, automated news sentiment scoring
Node.js • WhatsApp Web.js • MongoDB • Blockchain.com API • CoinGecko API

SmartStack Architecture Generator
AI-powered SaaS platform generating optimal project architectures, reducing development setup time by **80%**
Python • JavaScript • AI Code Generator • HuggingFace Transformers • Next.js

Amaze Visuals Portfolio
Creative showcase platform with performance optimization, lazy loading, progressive image enhancement
Next.js • SCSS • Framer Motion • Intersection Observer API • Cloudinary

Outdoor Landscape Design
3D landscape design platform with AI-powered recommendations, real-time WebGL rendering, automated cost estimation
React • Three.js • WebGL • Node.js • MongoDB • AWS • AI/ML

Education

Master of Medicine and Surgery
University of Ibadan, Nigeria | 2025 – 2030

Certifications

- **Cybersecurity Fundamentals** - HackTheBox
- **JavaScript Algorithms & Data Structures** - FreeCodeCamp
- **Google Analytics Certified**
- **Linux Networking** - Professional Certification
- **Blender 3D Modeling** - Advanced Certificate

Languages

English - Native **Mandarin Chinese** - Basic **Korean** - Basic

"I build more than code—I craft secure, scalable solutions that anticipate tomorrow's challenges while delivering today's results."