

Emmanuel U. Iziogo

Professional Summary

Full-Stack Developer with 5+ years of experience architecting and deploying scalable applications, RESTful services, and AI-powered solutions. Proven expertise in end-to-end software development, cloud infrastructure, and system security across SaaS platforms and enterprise systems. Specialized in integrating LLMs, automating workflows, and delivering production-ready systems with high availability and real-time intelligence. Chemical Engineering background provides unique analytical approach to complex software challenges and data-driven solutions.

Education

November 2018 – April 2024 **B.Eng. in Chemical Engineering**, *Federal University of Technology Owerri (FUTO)*, Owerri, Imo State, Nigeria

Technical Skills

Core Technologies

Languages	Python, JavaScript, TypeScript
Backend	Node.js, Django, FastAPI, Express
Frontend	Next.js, React.js, TypeScript, HTML5, CSS3, Tailwind CSS
Databases	PostgreSQL, MongoDB, Redis, SQL
DevOps & Cloud	AWS, Azure, Oracle, Docker, Kubernetes, CI/CD
AI/ML	OpenAI API, LLaMA 3, LangChain, RAG, Vector Databases, Document AI, GCV, Whisper, VAPI
Tools	Git, GitHub, Jira, Figma, Postman, Swagger, Celery

Languages

English	Fluent
French	Basic
Igbo	Native

Professional Experience

- September 2025 – Present **Software Engineer**, *Exoper*, Owerri, Imo State, Nigeria, Contract
- Leading design and development of zero-trust AI security, governance, and compliance platform
 - Architected secure API gateway with real-time threat detection, policy enforcement, and immutable audit logging
 - Implemented microservices architecture using Rust and Go for critical services with Kubernetes multi-region deployment
 - Built automated compliance tools aligned with GDPR, HIPAA, EU AI Act, and ISO standards
- January 2025 – July 2025 **AI Engineer**, *CosmicForge Healthnet Limited*, Lagos State, Nigeria, Full-time (Hybrid)
- Fine-tuned and deployed LLaMA 3 (13B parameters) to RunPod cloud for diagnosis, lab analysis, and genetics insights
 - Developed RESTful APIs using Python and FastAPI serving AI predictions with real-time patient analytics
 - Integrated AI voice assistant (VAPI + Whisper) for interactive patient communication and clinical support
 - Managed Azure cloud deployment ensuring secure, scalable, production-ready infrastructure
- November 2022 – October 2024 **Lead Engineer**, *Lunexa*, Australia, Full-time (Remote)
- Led end-to-end design, development, and deployment of 3 large-scale technical and construction applications
 - Oversaw backend architecture, frontend engineering, cloud infrastructure, and system security
 - Built secure payment pipelines, optimized performance, and ensured production-grade scalability
 - Delivered high-performing solutions using TypeScript, Next.js, Node.js, Tailwind CSS, React Query on Oracle Cloud with CI/CD automation
- November 2022 – April 2023 **Lead Engineer**, *Federal University of Technology Owerri*, Imo State, Nigeria, Full-time
- Led team of 6 engineers designing innovative feed composition variation system for distillation column optimization
 - Architected scalable backend using Node.js and PostgreSQL, integrating system into industrial workflows
 - Developed RESTful APIs and data pipelines automating process data collection, analysis, and visualization
 - Implemented real-time monitoring and control interfaces supporting operational decision-making
- March 2021 – August 2022 **Software Developer**, *Raspaas*, Sri Lanka, Full-time (Remote)
- Built and deployed 2 enterprise-grade systems: AI-powered invoice management platform (InvoTex OCR) and multi-tenant HR system
 - Engineered InvoTex OCR using Document AI, Google Cloud Vision, and LlamaLayoutMv5, achieving 97% extraction accuracy processing 1,000+ invoices (up to 1GB) in under 5 minutes via Django, FastAPI, React.js, and PostgreSQL
 - Architected RASPAAS HR system with Django, Celery, Docker, and PostgreSQL, integrating biometric (REALAND) and face recognition (ZKTeco) devices for <1s real-time attendance logging
 - Implemented JWT authentication, RBAC authorization, multi-level approval workflows, and automated payroll with compliance tracking