# Emmanuel U. Iziogo

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FlameGreat-1
in flamegreat

## Professional Summary

Full-Stack Engineer 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

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

## Technical Skills

### Core Technologies

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|---|---|
| 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

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|---|---|
| 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