

Emmanuel U. Iziogo

FULL-STACK DEVELOPER · AI/ML SPECIALIST

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Summary

Full-Stack Developer & AI/ML Specialist with 5+ years of experience delivering high-performance AI solutions, API integrations, and scalable automation for businesses. I help companies optimize workflows, enhance decision-making, and automate complex processes. Skilled in RESTful services, SQL optimization, and deploying AI-powered applications, I have reduced system latency by 40% and improved prediction accuracy by 65% for trading and data analytics platforms. My expertise extends to algorithmic trading, machine learning, and infrastructure automation, ensuring seamless deployments with zero downtime. Experienced in remote collaboration using Jira, GitHub, and Slack, I bring precision, efficiency, and innovation to every project.

Education

Federal University of Technology Owerri (FUTO)

Owerri, Nigeria

BACHELOR OF ENGINEERING, CHEMICAL ENGINEERING

2018 - 2024

- First Class Honors | Thesis: "Feed composition variations in optimum sequencing of distillation columns"

Professional Development

Stanford University (Coursera)

Online

MACHINE LEARNING SPECIALIZATION

2022

- Completed advanced coursework in machine learning algorithms, neural networks, and deep learning applications

Amazon Web Services

Online

AWS CERTIFIED SOLUTIONS ARCHITECT

2023

- Mastered cloud architecture design principles and best practices for scalable, secure AWS deployments

Skills

Languages	JavaScript, Python, SQL, TypeScript
Backend	Node.js, Django, Express, RESTful services, API development
Frontend	React, Redux, HTML5, CSS3, SCSS
Databases	PostgreSQL, MongoDB, MySQL, Redis, Data Migration
DevOps	AWS, Docker, Kubernetes
AI/ML	TensorFlow, PyTorch, Scikit-learn, NLP, Computer Vision
Tools	Git, GitHub, Jira, Code Review, Postman, Swagger
Languages	English, French, Igbo

Work Experience

CosmicForge HealthNet

Nigeria

AI INTEGRATION SPECIALIST

November 2024 - April 2025

- Worked with a team of 5 to build telemedicine web/mobile application, integrating medical diagnosis AI, chatbot AI, genetics analytics, and lab test interpretation with 95% accuracy.
- Developed RESTful API endpoints using Python and FastAPI that processed 10,000+ daily requests with response times under 5 seconds on good network.
- Implemented AI voice assistant using Vapi and Whisper, managed cloud infrastructure, and deployed to Azure for final production.

BestWay Wholesale

Remote

OCR SOFTWARE DEVELOPER

September 2025 - October 2025

- Built InvoTex OCR software and invoice management system using Document AI, Google Cloud Vision, and LlamaLayoutMv5 model, achieving 97% accuracy in data extraction.
- Developed comprehensive system using Django and FastAPI that processed 1,000 invoices (up to 1GB) within 5 minutes with project creation, search, and anomaly flagging features.
- Implemented PostgreSQL database, deployed to cloud (runpod.io), and created RESTful API endpoints for seamless system integration.

Living Seed Supermarket

Lagos, Nigeria

SOFTWARE DEVELOPER

July 2024 - August 2024

- Developed scalable POS system using Node.js and PostgreSQL that reduced checkout time by 40% and increased transaction accuracy by 98%.
- Implemented RESTful services for inventory management that processed 2,000+ daily transactions with 99.9% uptime.
- Executed complex SQL queries and database optimizations that improved data retrieval speed by 70%.

MoniePoint Microfinance Bank

Nigeria

BACKEND DEVELOPER

April 2024 - June 2024

- Developed a Loan Fraud Detection System using machine learning algorithms that reduced fraudulent activities by 75% and improved loan processing efficiency by 40%.
- Implemented RESTful services and API development for seamless integration with frontend applications, processing 5,000+ daily transactions.
- Executed complex SQL queries and database optimizations that improved data retrieval speed by 60% and reduced storage requirements.

Sekani

Remote

AI INTEGRATION SPECIALIST

January 2024 - May 2024

- Integrated AI voice assistant into Sekani application for MVP events, lodging, and sports utilities, enhancing user interaction efficiency by 40%.
- Solved accessibility challenges using Python (FastAPI), VAPI for voice integration, Whisper for speech-to-text, and ElevenLabs for text-to-speech.
- Implemented Llama-2 for conversational AI capabilities, creating a seamless user experience with reduced text-based input reliance.

3MTT

Nigeria

QUANTUM COMPUTING SPECIALIST

January 2024 - March 2024

- Worked with a team of 5 to develop and optimize quantum circuits using Qiskit and Q for large-scale climate simulations, improving computational efficiency by 40%.
- Designed and deployed RESTful API for seamless integration of quantum-computed climate models with existing platforms, facilitating adoption among 200+ researchers.
- Implemented data migration strategies that preserved integrity of complex scientific datasets while improving access speed by 55%.

OmniLens AI (Personal Project)

Remote

AI PROJECT LEAD

July 2023 - September 2023

- Developed sophisticated image processing and computer vision platform achieving 76% accuracy and processing times under 3 minutes per image.
- Implemented CNN pretrained models with fine-tuning using TensorFlow, OpenCV, and scikit-learn for object detection, image segmentation, and enhancement.
- Built comprehensive solution with image restoration, facial retouching, and background removal features, deployed to AWS with real-time collaboration capabilities.

Department of Chemical Engineering, FUTO

Owerri, Imo state

LEAD DEVELOPER

November 2022 - April 2023

- Led a team of 6 engineers in designing an innovative feed composition variation system that optimized distillation columns, reducing energy consumption by 30%.
- Architected scalable backend using Node.js and PostgreSQL, ensuring reliable integration into existing industrial workflows with 99.8% system availability.
- Developed secure, decentralized voting system utilizing blockchain technology and RESTful APIs that ensured tamper-proof elections with 100% data integrity.

Ralpha Hospital and Maternity

Ebonyi, Nigeria

CHIEF TECHNOLOGY OFFICER (REMOTE)

February 2020 - Present

- Leading a team of 7 developers to build Raphex, an AI-powered medical platform for streamlining and leveraging artificial intelligence in medicine with improved diagnostic accuracy by 45%.
- Architected RESTful services for hospital's digital infrastructure, reducing system latency by 60% and improving data retrieval speed.
- Implemented continuous deployment pipeline using Jenkins, reducing deployment time from 3 days to 4 hours while maintaining 99.9% system uptime.

Various Clients

Remote

FREELANCE SOFTWARE DEVELOPER

August 2020 - Present

- Developed "TaskSphere" with AI-powered analytics and recommendations that improved user productivity by 45% and task completion rates by 60%.
- Created automated visa appointment booking system handling 30+ simultaneous bookings with authentication, verification, and payment processing in under 2 minutes using Python, Selenium, and BeautifulSoup.
- Engineered e-commerce platform using Node.js and MongoDB with secure payment gateways that increased sales conversion by 35%.