

Samuel Olubukun

Full Stack AI Engineer

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Full Stack AI Engineer with 4+ years of experience spanning frontend and backend development, data science, and applied artificial intelligence. I design and build production-grade software systems that integrate AI models, intelligent agents, and automation workflows, turning complex technology into real-world impact. From architecting scalable APIs and responsive web applications to developing autonomous AI agents and deriving actionable insights from data, I operate across the full development lifecycle with a focus on performance, reliability, and smart design.

EXPERIENCE

Lead Backend and AI Engineer

Aug 2025 – Present

Content Nova

- Engineered an AI-powered creator workspace unifying ideation, creation, repurposing, planning, and publishing across six platforms, cutting manual distribution effort by 85%.
- Led full-stack development of scalable pipelines, intelligent workflows, and polished interfaces, increasing content output by 40%.

Full Stack AI Engineer

Apr 2025 – Apr 2026

The Nnitiwe Hub

- Founding AI engineer of cvbooster, an AI-powered ATS and CV analysis engine with live interview prep and referral/payment features, boosting job-alignment scores to 94%+ and tripling interview conversions.
- Built a self-hosted AI analytics hub featuring interactive dashboards and visualizations, reducing analysis time from days to hours.
- Developed a revenue signal intelligence platform capturing real-time buyer intent with urgency scoring (0–100) and CRM-ready outputs, increasing lead conversion rates by 20%.

Independent Software Engineer

Oct 2022 – Sep 2025

- Built and shipped production-grade AI systems including voice agents, interview platforms, resume engines, intelligent automation workflows, real-time data pipelines, health diagnostics, content creation platforms, and AI-powered analytics dashboards.
- Designed and scaled REST APIs and backend systems across multiple frameworks and databases, handling millions of records, thousands of requests, authentication flows, payment processing, third-party integrations, and real-time data operations effectively.
- Engineered full-stack web applications across eCommerce, management, and career platforms with secure authentication, external/internal API integrations, payment integration, and interactive dashboards.
- Built AI-powered tools for document intelligence, learning management, career development, autonomous agents, and workflow automation, surfacing actionable insights and delivering deeply personalized user experiences at scale.

Machine Learning Engineer

Feb 2025 – Aug 2025

OMDENA

- Contributed as a Machine Learning Engineer in the HOTOSM: 3D Imagery Analysis & Segmentation AI Innovation Challenge.

Quality Assurance Tester

Aug 2024 – Dec 2024

AfricanStreams

- Executed full-stack quality assurance (QA) for the Africanstreams platform, covering admin and client interfaces, and led defect management to enhance performance and reliability.

Information Technology Support Specialist

Apr 2024 – Sept 2024

Digital Bridge Institute

- Delivered end-to-end IT support across hardware, software, and networking infrastructure, troubleshooting technical issues, maintaining systems, and ensuring reliable operational performance across the organization.

EDUCATION

Bingham University (4.72/5.00)

B.Sc. Computer Science - First Class Honors

Karu, Nasarawa State, NIG

2021 – 2025

CORE SKILLS

Languages: Python, JavaScript, TypeScript, PHP, Rust, Java, SQL, HTML/CSS.

Frameworks: React, Next.js, Node.js, Express.js, FastAPI, Flask, Django, Tailwind CSS, Bootstrap.

Artificial Intelligence and Machine Learning: Generative AI (LLMs), Deep Learning, Predictive Modeling, NLP, Computer Vision, Prompt Engineering, Gemini, OpenAI, LangChain, TensorFlow, PyTorch, Scikit-learn, Hugging Face, Vector Databases.

Tools & Platforms: Git, GitHub, Docker, Google Cloud Platform (GCP), MongoDB, PostgreSQL, MySQL, VS Code, Jupyter Notebook.

Web & SEO: SEO optimization, Google Analytics, Google Search Console, performance optimization, metadata management.

Certifications

- DataCamp AI Engineer for Developers (2026)
- DataCamp Data Engineer Associate (2026)
- Oracle Cloud Infrastructure Generative AI Professional (2025)
- WorldQuant University Applied AI & Data Science Labs (2025)
- DataCamp AI Engineer for Data Scientists Associate (2026)
- Oracle Cloud Infrastructure Data Science Professional (2025)
- Oracle Cloud Infrastructure AI Foundations Associate (2025)
- freeCodeCamp Machine Learning & Data Analysis (2024)

SOFT SKILLS

- Problem solving • Analytical thinking • Clear communication • Technical documentation • Teamwork • Cross-functional collaboration • Ownership • Accountability • Research mindset • Continuous learning • Adaptability • Execution focus