TOMISIN AKINWANDE

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PROFESSIONAL SUMMARY

Detail-oriented software engineer with a proven track record of building AI-driven applications, developing data-intensive APIs, and working with cloud-native architectures. Passionate about leveraging scalable software systems to solve real-world problems through expertise in full stack web development, AI integration and data analysis using modern development frameworks.

EDUCATION

Nile University of Nigeria, *B.Sc. Software Engineering (GPA: 4.98/5.00)* **2022 – 2026**

Relevant Coursework: Software Architecture & Design, Database Management Systems, Data Structures and Algorithms, Cyber Security.

EXPERIENCE

Fluxtive by FAM Global Technologies, *Software Engineer Intern* **Jul 2025 – Oct 2025**

- Automated recurring data analysis processes on the delivery and reception of targeted advertisements by MTN Nigeria enabling customer retries.
- Built the full-stack web application MVP for Pholta covering UI design, frontend and backend development, and database architecture using Visily AI, React JS, TailwindCSS, Firebase, and FastAPI.
- Developed and hosted the backend API for efficient data retrieval and processing using FastAPI, Docker, and GCP.
- Designed the end-to-end system architecture for Pholta leveraging cloud-based services like Twilio SendGrid, GCP, and Firebase.

ChitHub Co. Ltd., *Backend / AI Engineer Intern* **Jul 2024 – Oct 2024**

- Developed and containerized a data-intensive API using FastAPI and Docker to provide summary visualizations of election results in the INEC ERMS application.
- Leveraged Ollama and Python to deploy a local AI model for generating electoral division metadata, reducing manual research time by 80%.
- Built web scrapers with Python and BeautifulSoup to extract geopolitical descriptions from Wikipedia, enriching the INEC ERMS frontend.
- Engineered automated data seeding for election datasets using Python scripts to accelerate testing efficiency and data analysis.

Medbolt, *Frontend Developer* **Dec 2022 – Dec 2023**

- Developed the landing page and high-fidelity user web MVP interfaces using ReactJS and SASS to enhance brand acquisition and support early user testing.

KEY PROJECTS

Power Reach (Current), *Lead Developer* **ReactJS, Tailwind, FastAPI, PostgreSQL, Amazon S3, Gemini API**

- Leading development of a web-based electricity customer service application connecting electricity DisCos and consumers; implemented a custom Progressive Web Application for fault reporting by customers.
- Built role-specific dashboards for engineers, customer service agents, and administrators to manage fault resolutions digitally.
- Designed the full microservices architecture leveraging cloud deployment, email-based notifications, Amazon S3 for multimedia file storage, and Gemini API for implementing the intelligent chatbot 'Sparky'.

Pholta by Fluxtive (Current), *Full-Stack Developer* **ReactJS, FastAPI, GCP**

- Refining frontend performance to minimize asset load times and optimizing the backend architecture to accelerate the response speed and reduce deployment costs.

SkillSkulpt (Past), *Lead Backend Developer, AI Engineer* **Lambda, DynamoDB, Kiro, CloudFormation, Amazon Bedrock**

- Engineered a serverless microservices backend using Kiro's agentic coding, Lambda functions, DynamoDB, and API Gateway for an AI-driven art coaching platform built during the AWS AIdeas 2026 Competition where we ranked among the top 300 teams.

TECHNICAL SKILLS

• **Programming Languages:** SQL, JavaScript (ES6+), HTML5, CSS3, Python | • **Developer Tools:** PyCharm, VS Code, Cursor, Git, Postman, Docker, AWS, GCP, Firebase, PG Admin, MS SQL Server | • **Libraries & Frameworks:** React, NextJS, Django, Flask, FastAPI, DRF, SASS, TailwindCSS, BeautifulSoup, PostgreSQL, Gemini API, Pandas, NumPy

LEADERSHIP & CERTIFICATIONS

Nigeria Association of Computing Students (NACOS) Nile Chapter, *Provost (2025–2026) & Director of Software (2024–2025)*

- Provost: Managed executive meetings, assigned operational tasks, and coordinated major in-person communications with faculty and university leadership.
- Director of Software: Developed the official website for NACOS Nile University Chapter using NextJS, Tailwind, Framer Motion, and SheetsDB; organized student-led technical workshops and tech movie nights to foster learning and leisure.

Certifications: Statistics and Probability (Khan Academy, 2024) | Engineering, Ethics and Technology (University of Eindhoven, 2022) | Responsive Web Design (FreeCodeCamp, 2021)