AKINRINDE PAMILERIN SAMUEL

AI-Assisted Full-Stack & Intelligent Systems Engineer

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PROFESSIONAL SUMMARY

AI-assisted full-stack and intelligent systems engineer with a foundation in frontend development, now working across the stack with AI integrated into the development workflow. Currently Chief Strategy Officer and Lead Web Developer at Vexsul Digital Solutions, combining strategic direction with hands-on engineering. Transitioning from a foundation in frontend development and electrical engineering to comprehensive software architecture, integrating AI workflows, system telemetry, and modern backend technologies. Focused on practical implementation and accelerating product development through AI tools while retaining strict control over system quality, testing, and technical architecture.

CORE SKILLS

Frontend: JavaScript (ES6+), TypeScript, React, Next.js, Tailwind CSS, ShadCN UI, Framer Motion, Responsive Design, Accessibility (WCAG)

Backend & Data: Node.js, Express, REST APIs, Supabase (Auth/DB/Realtime), Firebase (Auth/DB/Realtime), PostgreSQL, Authentication, Stripe API, Resend

AI-Assisted Development: AI-assisted implementation and debugging workflow, AI API integration, LLM-powered application features (in active development)

Tools & Workflow: Git, GitHub, Figma, Vercel, Netlify, Render, Vite, Monorepo tooling (Turborepo/Nx)

PROFESSIONAL EXPERIENCE

Chief Strategy Officer (CSO) & Lead Web Developer *June 2026 – Present*
Vexsul Digital Solutions · Full time

- Co-lead strategic and technical direction alongside the CEO, CTO and COO, aligning product priorities, digital strategy and technology-driven solutions across the company.
- Architect and build the official Vexsul company website: a multi-page Next.js and TypeScript frontend with an Express and TypeScript backend, covering 36 static and dynamic routes.
- Implement contact and newsletter workflows using Resend and Supabase, and manage frontend/backend deployment across Vercel and Render.
- Contribute to early architecture and planning for Vexsul IAIP, an internal industrial intelligence initiative connecting equipment data with AI-assisted analysis.

Freelance Frontend Engineer *August 2024 – Present*
Independent · Remote

- Design and build personal and client software projects spanning web applications, AI-assisted tools and product experiments, including the Oxias AI market-intelligence system.
- Deliver contract frontend work for early-stage startups and contribute to open-source projects.
- Designed and shipped client sites including Fertinovax Clinic and CAC Agbala-Itura, from design through deployment.

Frontend Engineer *June 2025 – July 2025*
NexaCore Studio · Remote

- Built modern e-commerce and brand-focused web interfaces with emphasis on responsive design, accessibility and animation performance.
- Optimised onboarding and checkout flows through multi-step validation systems, reducing user friction.

Frontend Engineer *April 2025 – June 2025*
Astrix Digital · Remote

- Developed scalable frontend architecture for an event discovery platform, including real-time interactions, authentication flows and analytics dashboards.
- Implemented reusable ShadCN UI component systems and refined state management, improving dashboard responsiveness.

Frontend Developer Intern *October 2024 – December 2024*

ByteForge Systems · Remote

- Built media-streaming interfaces focused on component reusability, API integration and responsive design.
- Improved UI consistency and performance across multiple applications deployed on Vercel and Netlify.

SELECTED PROJECTS

VEXSUL — Official Company Website — *Active*

Next.js, TypeScript, Tailwind CSS, Express | vexsul.com

Official digital presence for Vexsul Digital Solutions, presenting the company's capabilities and direction across web, AI and intelligent systems.

Vexsul IAIP — Industrial Assistant Intelligence Platform — *Work in Progress*

Next.js, NestJS, Prisma, PostgreSQL

Full-stack industrial asset intelligence platform connecting equipment data, telemetry and AI-assisted analysis for industrial operators.

Oxias — AI Trading Intelligence System — *Work in Progress*

Next.js, FastAPI, ChromaDB, AI provider integrations

Modular AI market-intelligence system combining live market data, strategy memory, news/macro analysis, journaling, backtesting and an AI conversation layer.

Fertinovax Clinic — Healthcare Digital Experience — *Completed*

React, design system | fertinovaxclinic.com.ng

Professional healthcare website presenting clinic services through a structured, appointment-focused digital experience.

Towset Energy Resources — Corporate Digital Experience — *Demo*

React, design system

Premium corporate site presenting capabilities, services and industrial positioning for an energy sector client.

Earlier Work

CAC Agbala-Itura, Ilesa District HQ (Next.js, Supabase, member management and admin dashboard), ChatConnect (real-time messaging, Firebase), and Benny's Nail Station (React, Tailwind, Framer Motion) — completed frontend and product projects from 2024–2025.

EDUCATION

B.Eng. Electrical/Electronic & Computer Engineering *2020 – 2025*

Alex Ekwueme Federal University, Ndufu-Alike · Abakaliki, Ebonyi State, Nigeria

Professional Diploma, Full-Stack Software Development *2024 – Present*

SQI College of ICT, Osogbo