

PROFESSIONAL SUMMARY

Software engineer and classical pianist. Product Engineer and Full-Stack Developer building production-ready web applications, AI-enabled workflows, and responsive user experiences — currently Lead Developer at Lightsup Energy Solutions, where a lead-capturing web application boosted sales and productivity 45%+. IBM-certified Cybersecurity Architect (Oct 2026) with Google AI Professional credentials. Publishes zero-dependency open-source security tooling to npm (fixmcp, envvault).

CORE SKILLS

Languages JavaScript (ES6+), TypeScript, Python 3, HTML5, CSS3, SQL	Frameworks React 19, Next.js 16, React Native, Node.js, Express, Tailwind CSS, Framer Motion	Backend & Cloud PostgreSQL, Supabase (RLS), Firebase Auth, REST + GraphQL, Vercel, Render, Docker
Automation & APIs Resend API, Telegram Bot API, OpenAI, MCP / JSON-RPC 2.0, Git, GitHub, DevOps, SEO	AI & Biometrics LLM integration, agentic workflows, MediaPipe 3D FaceMesh, PyTorch/NLP, WebSockets / real-time UI	Design & State UI/UX design, Zustand / Redux, responsive web architecture
Cybersecurity AES-256-GCM encryption, PBKDF2 key derivation, security CLI tooling, MCP server diagnostics, secret management	Open Source fixmcp, envvault, npm publishing (MIT), GitHub workflows	Music Classical piano, pipe organ, choir accompaniment

EXPERIENCE

Lead Full-Stack Product Engineer | Developer — Lightsup Energy Solutions, Lagos, Nigeria

Jan 2026 — Present

- Full-Stack Development: Built lightsupenergy.com from scratch using React 19, TypeScript, Tailwind CSS, and Node.js, with a serverless architecture deployed on Vercel — for a lead-capturing application that boosted sales and productivity 45%+.
- Product & UI/UX: Designed the interface and developed dynamic solar calculators connected to a secure, Firebase-authenticated admin platform.
- Automation & AI: Integrated Resend email workflows and Telegram alerts, while using SEO and AI-assisted engineering workflows to accelerate development and delivery.

Open-Source Author — npm: fixmcp, @damisile_ayoola/envvault

2026 — Present

- fixmcp** (npx fixmcp): CLI diagnostic that discovers every MCP server config on a machine and runs real JSON-RPC handshakes to report exact failure causes, with safe auto-fix. Published to npm, MIT.
- envvault**: zero-dependency Node.js CLI encrypting project secrets with AES-256-GCM into subprocess memory (plaintext never touches disk), plus a git pre-commit secret-leak hook.

Open-Source Contributor | Developer — Spark Swarm / Forge Team, Remote / Open Source

May 2026 — Present

- Agentic Engineering: Contributed to autonomous, recursive personal AI-agent workflows featuring background execution loops and self-improving infrastructure.
- Core Contributions: Developed workflows integrating local LLMs such as Gemma and managed scalable agent-state infrastructure using the Spark SDK and database backends.
- Ecosystem Maintenance: Submitted targeted code contributions and bug fixes to core repositories, including spark-cli.

Contract Full-Stack Developer | Product Engineer — Paul Hilpert Consultancy, Nottingham, England

Jun 2025 — Dec 2026

- Enterprise Deployment: Designed and built a high-end corporate website for a premium tender-writing, bid-management, and business-consultancy firm.
- Performance Optimization: Developed a responsive frontend architecture focused on cross-device rendering and rapid page-load performance.

Selected Projects (live)

- Real-time IoT energy dashboard (Xense Energy)** — live device telemetry and relay/mode control over an MQTT bridge → WebSocket UI pipeline with delivered/acknowledged command lifecycle; verified end-to-end against real hardware and simulator harnesses. Deployed on Vercel + Render.
- buysolar.ng (Next.js e-commerce)** — production solar store: dataset collection/curation pipeline (2,081 → 599 products) with quality gates and review interfaces; Paystack payments integration work.
- AI Assistant for Word** — free MS Word Copilot alternative with voice commands (Groq Whisper), Matplotlib charts, and 1-click PDF studio (Python, pywin32).
- Talk-to-DB** — natural-language database chat: SQL queries and schema analysis from plain English (Python, PostgreSQL).

EDUCATION

Bachelor of Technology (B.Tech.) in Business Information Technology
Federal University of Technology Akure (FUTA), Akure, Ondo State, Nigeria
Dec 2025 — Present (4.73/5.0 first semester)

CERTIFICATIONS & TRAINING

- Cybersecurity Architecture | IBM, Oct 2026
Credential ID: 83Z8PYF1AZ8H. Skills: Cybersecurity, Network Security.
- UI/UX Design Certification | UniAthena
Focus: Applied user-centered design (UCD), information architecture (IA), and wireframing methodologies for responsive web applications.
- Claude 101: AI Proficiency Certification | Anthropic
Focus: Prompt engineering, AI-human collaboration, and leveraging LLMs to support technical development workflows and code documentation.
- AI Fluency Training | International Organisation of Employers (IOE) & Microsoft
Focus: Core AI concepts, real-world industry applications, business adoption strategies, and responsible AI implementation.
- AI for SMEs | International Organisation of Employers (IOE) & Microsoft
Focus: Practical strategies for AI adoption, operational efficiency, and digital transformation in small-to-medium enterprise workflows.
- Google AI Professional Certificates ×7 | Google, Sep 2026
App Deployment (80QVOEGB84J4) · App Building (FUEK7Q8MC03X) · Data Analysis (6MSN3SO2ELV6) · Content Creation (5GLWUQHUE3MN) · Research & Insights (RPRZNX4A7RIO) · Brainstorming & Planning (D5DHYUBZIAJE) · +1 · Google AI Fundamentals (Coursera, 08f17ac4).

LANGUAGES & INTERESTS

Language: Yoruba
Interest: Piano Playing

REFERENCES

Available upon request.