

Samuel Adewole

Senior Software Engineer | Full-Stack Architect | Infra & DevOps Specialist

📍 Lagos (Remote) · 📧 samdexy002@gmail.com · 📞 +234 905 458 4953
🔗 github.com/sammieadewole · 🔗 linkedin.com/in/sammieadewole · 🔗 samdexy.dev



TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript, Python, Java, C++, HTML, CSS, Bash
- **Frameworks/Libraries:** React, Next.js, React Native (Expo), Node.js, Tailwind, NativeWind
- **Tools & Systems:** Systems Design · Distributed Systems · CI/CD Pipelines · High Availability Architectures · Microservices · Containerization · Message Queues (e.g., Redis, RabbitMQ) · Monitoring & Observability · Database Design (SQL & NoSQL) · Build Systems (e.g., Make, Gradle) · Version Control (Git) · API Design & Documentation · Infrastructure as Code (e.g., Terraform) · Linux/Unix Environments · Testing Frameworks · Task Runners & Automation
- **DevOps:** CI/CD pipelines, container orchestration, microservice infrastructure (Fly.io, DigitalOcean, AWS)
- **Other:** UI/UX Design, Websockets, REST APIs, OpenTelemetry, AI Integration, Documentation Automation



EDUCATION

SSCE — Homat Pivotal College, 2004 – 2010

IJMB — Al-Hikmah College of Advanced Studies, 2019 – 2020

B.Sc. in Computer Science — ESPAM-FORMATION University, 2020–2023



Certifications

- **Meta Certified Front-End Developer** – Coursera (React Specialization)
- **Google UX Design Certificate** – Coursera
- **Responsive Web Design, JavaScript Algorithms, and Front-End Libraries** – freeCodeCamp

REFREES

References available upon request.



PROFESSIONAL SUMMARY

Seasoned Senior Software Engineer with 11+ years of programming experience, blending low-level systems knowledge with full-stack web and mobile development. Expert in building scalable applications, design systems, automation pipelines, and developer-friendly tools. Adept at rapidly absorbing complex documentation, independently researching solutions, and leading teams from zero to product. Passionate about elegant architecture and meaningful user experiences.



WORK EXPERIENCE

AlgoEdger LLC · 2025 – Present

Founder & Lead Engineer

- Architected and built a modular trading automation platform using FastAPI (Python), Next.js, and Expo (React Native).
- Designed and enforced a scalable microservices system with dedicated persistence layers using Kubernetes and Fly.io VMs.
- Implemented signal generation logic, AI-driven statistical processing, and flexible strategy builder with unified schemas.
- Developed a custom UI library inspired by shadcn/ui using NativeWind for cross-platform design consistency.
- Led CI/CD pipeline automation (Docker → GitHub Container Registry → Fly.io) with strict linting, naming, and security checks.

Remote · 2021 – 2024

Freelance Software Developer

- I built and managed a team of high performance science staff to ensure students get the best education and attention
- I came up with strategies to ensure students' get the best teaching experience from the institution one of which is an anonymous review system which enables student to give reviews anonymously about anything concerning the school and their experience which can be viewed and handled by the school management.

Samuel Adewole

Senior Software Engineer | Full-Stack Architect | Infra & DevOps Specialist

📍 Lagos (Remote) · 📧 samdexy002@gmail.com · 📞 +234 905 458 4953
🔗 github.com/sammieadewole · 🔗 linkedin.com/in/sammieadewole · 🌐 samdexy.dev

👤 WORK EXPERIENCE (CONT'D)

Crystal Switch Educational Institute · 2020 – 2024

Head of Department (Sciences)

- Led curriculum development and taught physics and chemistry while also introducing students to basic computing and programming.
- Mentored students in problem-solving and algorithmic thinking, laying foundational STEM skills.

🚀 KEY PROJECTS

- 🧠 **AI Statistics Engine:** Designed a backend system that interprets user-submitted data into plain English statistical summaries, tables, and charts. Uses Python with AI model integration, FastAPI endpoints, and modular logic processors.
- ⚙️ **AlgoEdger Strategy Builder:** Built a dynamic, frontend-driven strategy form with full validation using React Hook Form and Zod. Integrated seamlessly with SQLAlchemy-based backend models for indicator evaluation and condition generation.
- 📈 **Market Fetchers (Crypto & Forex):** Systems Design · Distributed Systems · CI/CD Pipelines · High Availability Architectures · Microservices · Containerization · Message Queues (e.g., Redis, RabbitMQ) · Monitoring & Observability · Database Design (SQL & NoSQL) · Build Systems (e.g., Make, Gradle) · Version Control (Git) · API Design & Documentation · Infrastructure as Code (e.g., Terraform) · Linux/Unix Environments · Testing Frameworks · Task Runners & Automation
- **DRM-Enabled Creator Platform (Adult Content inspired):** Video content protected via DRM tokenized streaming with Shaka Player. Escort ordering and subscription features with wallet and KYC workflows. Built with FastAPI, PostgreSQL, Redis, and Tailwind-based frontend.

🔍 INTERESTS

Trading automation · Kernel-level tech · OSS tooling · API design · Secure content platforms · Developer experience & platform engineering

🧠 KEY STRENGTHS

- End-to-End Product Architecture
- System Design & Infrastructure
- Developer Experience & Code Quality
- Security, Auth, and DRM
- Rapid Learning & Deep Research
- UI/UX Thinking + Frontend-Backend Balance
- CI/CD Automation & DevOps Discipline