

OLOYEDE AL-AMIN OLADAPO

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EDUCATION

University of Lagos

BSc. Computer Science

Relevant Courses: Data Structures & Algorithms, Discrete Structures, Human-Computer Interaction, Software Engineering, Computer Architecture, Web Development

Lagos, Nigeria

Expected Jun 2028

PROFESSIONAL EXPERIENCE

Blockprint

Full-Stack Developer & Researcher

Lagos, Nigeria (Remote)

Sep 2025 – Present

- Design and build SoulNode, a CIP-68 soul-bound identity platform on Cardano, writing on-chain validators in Aiken and prototyping the protocol spec in Haskell.
- Ship the Cardano Treasury Bot and research Xhydra Bot, integrating the Blockfrost API and Cardano's Hydra Layer-2 for real-time on-chain data and settlement.
- Own full-stack delivery: FastAPI/Express services, Next.js/React front ends, Dockerized CI/CD via GitHub Actions.

Learn Academia

Mathematics & Programming Tutor — UTME Candidates

2023 – 2025

- Tutored mathematics and programming to UTME candidates across multiple cohorts, with all tutees passing their examinations.

LEADERSHIP EXPERIENCE

Team Sentinel — Squad Hackathon 3.0

May 2026

Team Lead, ShieldPay

- Led a team to build ShieldPay, a real-time fraud-intelligence dashboard for SME merchants, combining an ML scoring ensemble (IsolationForest + XGBoost, scikit-learn) with cross-merchant behavioral fingerprinting.
- Directed the system architecture: HMAC-verified webhook ingestion, a Groq-powered LLM agent dispatcher, and a ChromaDB RAG layer for detecting zero-day fraud patterns, plus a scheduled retraining loop with shadow testing.
- Ranked Top 50 nationally out of 600 teams in Squad Hackathon 3.0, one of the country's most competitive hackathons.

Hybrid OS Prototype

Jul 2026

Team Lead

- Led a team in prototyping a hybrid, Linux-based operating system positioned as an alternative to iOS and Android.

Banking Workflow Redesign — Case Study: UBA

Jul 2026

Data Model Engineer

- Conducted a survey-based analysis of UBA's banking workflow and translated findings into a redesigned data model.

CERTIFICATIONS & AWARDS

- 1st Position, Spelling Bee Competition (Primary School)
- 1st Position, Governor's Quiz Competition, Lagos State — representing school
- Top 50 Finalist, Squad Hackathon 3.0 (out of 600 teams) — widely regarded as one of Nigeria's most competitive hackathons

TECHNICAL SKILLS

Languages: C, C++, Go, Java, JavaScript, TypeScript, Python, Zig, Haskell, Aiken

Backend & Web Frameworks: FastAPI, Express.js, Next.js, React, TanStack Query, Yesod

Data, Infra & DevOps: PostgreSQL, Supabase, MongoDB Atlas, Redis, ARQ, ChromaDB, Docker, GitHub Actions

ML/AI & Blockchain: scikit-learn, XGBoost, Groq API, sentence-transformers, Ollama, Cardano, Blockfrost API, Hydra

PROJECTS

Kortex

In Progress

- Building a job-scraping and application platform (FastAPI, Next.js, Supabase, Redis/ARQ) with a five-board job discovery engine, dedup and relevance scoring, and a cursor-paginated /matches endpoint.

Devklean

Shipped

- Published Python CLI tool on PyPI for safe file deletion: trusted publishing, cross-platform CI, send2trash-based recovery, a "doctor" diagnostics command, and symlink protection.

Xhydra Bot

Research

- Researching a Hydra-based Layer 2 protocol bot for Cardano, exploring secure, low-latency peer-to-peer transactions and tag-triggered on-chain fund transfers via X mentions.

Cardano Treasury Bot

Shipped

- Built a TypeScript CLI dashboard and Blockfrost-API-powered X bot posting live Cardano treasury and epoch data, with dry-run mode and multiple post templates.

Whispr

Shipped

- Shipped a Telegram reminder bot (Express.js, Next.js Mini App, MongoDB Atlas, Bull/Redis, chrono-node NLP parsing), live and in active use.

Prompting as Probabilistic Programming

In Progress

- Writing a public article arguing that prompting is a paradigm of probabilistic programming, framing the LLM as a constrained probabilistic computer rather than a deterministic system.