

FAWAZ OYEBODE AKANNI

Backend & Web3 Software Developer

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PROFESSIONAL SUMMARY

Backend-focused software developer with hands-on experience building production-grade automation tools and full-stack Web3 applications. Proficient in Python and JavaScript/TypeScript, with a track record of designing modular, secure backend architectures, REST APIs, authentication and validation systems, and smart-contract-backed dApps. Comfortable across the stack, from PyQt5 desktop tooling to React frontends and Solidity/Motoko smart contracts. Google Cybersecurity certified, with a Physics background that brings analytical, modeling-driven problem solving to engineering work.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript, Solidity, Motoko, C++, SQL
- **Backend:** REST API design, authentication & authorization, input validation, modular architecture, automation systems
- **Web3 / Blockchain:** Smart contracts (Solidity, Foundry, UUPS upgradeable), Motoko (ICP), USDC / stablecoin integration, wallet integration, IPFS, Internet Identity
- **Frontend:** React, Vite, HTML, CSS, responsive dApp interfaces
- **Databases:** SQL, Supabase
- **Engineering Practices:** Unit testing, peer code reviews, Git version control & branching, packaging & distribution
- **Tools & Platforms:** Git, GitHub, GitHub Actions (CI/CD), Linux, PyQt5 / PySide
- **Security:** Secure software design, secure authentication flows

EXPERIENCE

Independent Software Developer 2023 - Present

TelescriptGenius - Telecom Automation Desktop Application · Python, PyQt5/PySide
github.com/fawazdevx/TelescriptGenius

- Built a Python desktop tool that auto-generates LTE and 10G/Aviat site configuration scripts from reusable templates, replacing a manual, error-prone workflow for telecom engineers.
- Engineered secure user registration and login, modular backend architecture, and automated input validation to ensure reliable, repeatable script output.
- Designed dynamic, template-driven generation logic that handles large multi-site/cluster datasets with built-in error detection.
- Packaged the application for distribution and iterated on it using real-world engineer feedback.
- Generated 200+ site configuration scripts for engineers to date, replacing manual per-site preparation.

Backend Engineer (Participant) - Google Developer Student Clubs (GDSC) 2023

- Contributed Python backend logic and REST API endpoints to collaborative team projects.
- Implemented and tested API endpoints, debugged integration issues, and structured request and validation workflows.
- Participated in peer code reviews and Git-based collaboration to maintain code quality and maintainability.

Final Year Research Project - Developer 2025 - 2026

VHTST - Virtual Heat Transfer Simulation Tool · Python, PyQt5

- Designed and built an interactive Python simulation tool modeling thermodynamic and heat-transfer concepts for educational use.
- Implemented a modular architecture and PyQt5 UI to support extensibility and additional simulation modules.
- Evaluated simulation accuracy and educational impact as part of the research deliverable.

PROJECTS

Nexora - AI Agent Finance Platform

React, TypeScript, Solidity, USDC, Arc · nexoraf.vercel.app

- Built the financial control layer for AI agents; agent wallets, Save/Earn vaults, and x402 payments with USDC settlement on the Arc testnet (live deployment pending Arc mainnet launch).
- Implemented onchain payment and settlement flows behind a responsive, wallet-connected dApp frontend.

Fundarc - Decentralized Crowdfunding dApp

Solidity, Smart Contracts, React, USDC, Arc Testnet · fundarc.netlify.app

- Developed a milestone-based crowdfunding platform where contributions are held in smart-contract escrow and released only after contributor voting approves each milestone.
- Implemented contributor voting, refund paths, and onchain transparency dashboards tracking campaign metrics and fees.
- Supports ~300 campaigns to date on the Arc testnet (live deployment pending Arc mainnet launch).

Agora Agent Market - Onchain AI Signal Marketplace

Vite + React, Solidity (Foundry, UUPS upgradeable), USDC, Arc Testnet · github.com/fawazdevx/Agora-agent-market

- Built a marketplace where AI agents and traders publish staked, USDC-backed market signals judged on real outcomes rather than claims.
- Developed upgradeable Solidity contracts and a wallet-connected React UI featuring agent leaderboards, reputation scoring, and stake-weighted sentiment.

vaultify - Decentralized Wallet (ICP)

Motoko, Internet Identity, ICP · github.com/fawazdevx/vaultify

- Built a decentralized wallet dApp on the Internet Computer using Motoko, with Internet Identity authentication.

Arc UE4 Pugin - Unreal Engine Plugin

C++, Blueprint, Solidity, Node.js (Express, ethers v6), Arc · github.com/fawazdevx/arc-unreal-plugin · arc-ue4-plugin.netlify.app

- Built an Unreal Engine plugin and Node.js backend that lets game developers add onchain USDC and NFT features through Blueprint nodes, no C++ required to integrate the Arc blockchain.
- Implemented Blueprint-callable nodes (USDC balance, register player, pay/reward USDC, mint NFT) backed by Solidity contracts (GameCore, ERC-721 GameNFT) and a server-authoritative Express signing layer.
- Tested end-to-end on the Arc testnet, with documented security practices for key management.

EDUCATION

University of Ibadan - B.Sc. Physics February 2026

- Relevant coursework: *[Data Structures, Numerical Methods, Computational Physics, Databases]*.

CERTIFICATIONS & TRAINING

- Google Cybersecurity Professional Certificate - 2024
- 3MTT Software Development Certificate - 2025
- CS50: Introduction to Programming with Python - Harvard / edX
- Web3 Development (ICP / Blockchain) - Motoko & smart contracts

- Unreal Engine Game Development - Epic Games