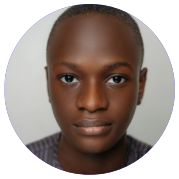
VICTOR SHALLANGWA

FULL-STACK ENGINEER • PRODUCTS, BACKEND & INFRASTRUCTURE

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EXECUTIVE PROFILE

Full-Stack Engineer with 8+ years building across product engineering, backend systems, and transaction infrastructure. Proven record architecting mission-critical platforms across agritech, fintech, and developer tooling.

TECHNICAL STACK

PRODUCT ENGINEERING

React | Next.js | TypeScript | React Native | Expo

BACKEND ENGINEERING

Node.js | NestJS | Express | Laravel

DATA & SYSTEMS

PostgreSQL | MySQL | APIs | Architecture

BLOCKCHAIN & TRANSACTIONS

Solana | Stellar | Soroban | Anchor

CURRENTLY DEEPENING

Rust | Distributed Systems | Infrastructure | Financial Systems

CORE ARCHITECTURE PILLARS

- Offline-First Data Sync & Spatial GIS
- Zero-Latency Solana Relayers & MEV
- Non-Custodial Batch Settlement Protocols

EDUCATION & CERTS

BSc Software Engineering
Nigerian Army University Biu
2025 - 2028 (Expected)

School of Solana Graduate
Ackee Blockchain Security
Oct 2024 - Dec 2024

IMPACT & SCALE

7+ Years Experience	**15+** Projects Shipped
3k+ Users Served	**2** Global Ecosystems

ENGINEERING EXPERIENCE

Selected Roles & Impact

Full-Stack Engineer — AgTrail

Feb 2025 - Present

Agrolinking Solutions LTD — *Remote / Abuja, Nigeria*

- Leading core development on AgTrail — the digital identity layer for agriculture, giving every farmer, farm, product, and supply-chain event a verifiable, trusted history of origin and handling.
- Architected offline-first field data collection, GPS polygon farm boundary mapping, and dynamic digital product passports for EUDR export compliance — building reliable systems where connectivity is a luxury, not a given.
- Engineered identity verification flows, REST APIs, and real-time sync layers that ensure sensitive agricultural data is captured, validated, and connected across the entire supply chain.

Senior Full-Stack Developer

Jan 2024 - Dec 2024

Payguru — *Lagos, Nigeria*

- Led the development of new product features, enhancing functionality and user experience for businesses self-hosting the software.
- Designed and implemented a custom update system that allowed business owners to patch and upgrade their platforms without manual downloads.
- Enabled auto-update functionality, ensuring customers never missed critical improvements or security fixes.

Chief Technology Officer

Jan 2024 - Dec 2024

Sarmiephoenix Consults — *Lagos, Nigeria*

- Implemented new features for a cloud-based SaaS product, benefiting over 1,000 enterprise clients.
- Designed and built custom client solutions using modern web architectures.
- Managed deployment processes and handled production rollouts.

Developer Relations

Dec 2024 - Dec 2025

SuperteamNG Borno — *Borno, Nigeria*

- Onboarding new developers to the Solana ecosystem and SuperteamNG, facilitating their transition into Web3 development.
- Providing hands-on technical expertise and mentorship to assist developers in building scalable applications on Solana.
- Evaluating project pitch decks and demo videos to provide actionable feedback for hackathon submissions and grant applications.

VICTOR SHALLANGWA • ENGINEERING PORTFOLIO

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SYSTEMS & INFRASTRUCTURE — 4 Projects

Vortex — Transaction Infrastructure

Autonomous Solana transaction infrastructure built in Rust, designed for low-latency execution, real-time data streaming and dynamic transaction optimization.

Rust | Solana | Geyser gRPC | Jito MEV | AI Tipping | React | TypeScript

github.com/Don-Vicks/solana-tx-stack

Lens — Computer Vision Infrastructure

API-first biometric attendance and spatial intelligence platform. Uses Python face_recognition 128-d encodings, FastAPI, Next.js 16, and Remotion to resolve classroom group photos and auto-sync with external SIS gateways.

Python | FastAPI | face_recognition | SQLAlchemy | Next.js 16 | TypeScript | TailwindCSS | Remotion

github.com/Don-Vicks/attendance-system

Devlog — Developer Tooling

A build-in-public automation system that transforms git activity into reviewable content workflows and distributes approved updates across social platforms.

TypeScript | React | Electron | Node.js | SQLite | Tailwind CSS | Groq | Gemini

github.com/Don-Vicks/devlog

Vacuum — On-Chain Automation

An automated rent-reclaim protocol that monitors Solana token accounts and safely reclaims locked rent SOL from zero-balance accounts across CLI, SDK, and Web.

Solana | TypeScript | Node.js | SQLite | Telegram Bot

github.com/Don-Vicks/vaccum

TRANSACTIONS & FINANCIAL SYSTEMS — 4 Projects

Solara Pay — Founder • Global Payroll

Founded a non-custodial payroll disbursement protocol on Solana processing $600+ in global contractor payouts with sub-second settlement, bulk batching, and webhook reconciliation.

Solana | Rust | React | Node.js | Webhooks

spay-chi.vercel.app

Stallion — Hackathon & Bounty Infrastructure

A high-performance bounty and hackathon orchestration platform built on the Soroban smart contract framework for the Stellar ecosystem.

Soroban | Rust | Next.js | TypeScript | Tailwind

stallion.so

AnkaraChain — RWA Tokenization • In Development

Real-world-asset tokenization infrastructure on Stellar and Soroban for African markets. In active development: platform spec complete across identity, non-custodial wallets, payments, escrow and webhooks, with Stellar Community Fund outreach underway.

Stellar | Soroban | Rust | TypeScript | NestJS | PostgreSQL

github.com/Don-Vicks

FlexPay — Payment Infrastructure

A production-ready checkout SDK for Solana merchants, enabling payments in any token with instant USDC settlement via the Jupiter Swap V2 engine.

Solana | Jupiter API V2 | React | TypeScript | Next.js

github.com/Don-Vicks/flexpay

PRODUCTS & PLATFORMS — 1 Flagship

AgTrail — Digital Infrastructure

The digital identity and traceability infrastructure for African agriculture — capturing, verifying, and connecting data from farmers and fields into trusted, globally competitive supply chains.

React 19 | TypeScript | Node.js | PostgreSQL | Tailwind CSS | IndexedDB Sync | GPS Polygon APIs | QR Digital Passports

agrolinking.com

EARLIER ROLES & SUPPORT — 3 Roles

Developer & Marketing Support — *Nov 2024 - July 2025*
Solana Tour
• Designed and built a custom grassroots marketing tool to streamline outreach and amplify community engagement efforts.

Software Engineer — *Jan 2024 - Dec 2024*
Event Voting and Ticketing Ghana
• Managed platform operations and oversaw performance to ensure reliability.

Web & App Developer — *Aug 2023 - Dec 2024*
Endless Technologies
• Developed an e-commerce web application using React and TypeScript that handled over 10,000 transactions monthly.