

CLINTON OTSE

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CORE TECHNICAL EXPERTISE

- **Frontend Development:** React, Next.js, Vue 3, TypeScript, JavaScript (ES6+), React Native, HTML5
- **UI & Design Systems:** Tailwind CSS, Material-UI, Styled Components, CSS3, Sass, Bootstrap, Motion, GSAP, Framer
- **State & Data Management:** Redux, React Query, Context API, Zustand, WebSocket, Zod, RESTful APIs
- **Blockchain & Web3:** Solana, Web3.js, Solidity, DFlow Protocol, MEV Protection, EVMS
- **Backend & Cloud:** Node.js, Python, FastAPI, AWS, Vercel, Docker, Railway
- **Databases & Testing:** PostgreSQL, MySQL, MongoDB, Jest, Unit Testing, Integration Testing, Cypress, Supabase, Sentry
- **Dev & Project Mgmt:** Git/GitHub, Agile/Scrum, Jira, Trello, ClickUp

PROFESSIONAL EXPERIENCE

CardinalStone

Jun 2022 - Jan 2026

Senior Supervisor 1

Lagos, Nigeria

- Developed CS Alpha, a real-time investment web application built with React, TanStack Query, Tailwind CSS, and Context API. CS Alpha processes over \$10K in daily transactions, increasing client satisfaction by 85%.
- Implemented a customisable company secretary portal for processing invoices, client payments, and financial reports, serving over 40 clients and handling 15+ invoices daily - reducing manual processing time by 90%.

Outsource Global Technologies Limited (OGTL)

Aug 2020 - Oct 2022

Fullstack Software Engineer

Abuja, Nigeria

- Redesigned OGTL's ERP and KPI systems and migrated the backend, resulting in a 60% performance improvement and an 80% reduction in bugs
- Developed a comprehensive HR management suite covering payroll, attendance, leave management, office structure, roles, and shift scheduling - achieving a 100% staff adoption rate.

EDUCATION

Federal University of Agriculture, Makurdi, Nigeria

Feb 2014 - Jul 2019

BSc, Agricultural and Environmental Engineering

Makurdi, Nigeria

RECENT PROJECTS

MEV-Protected Solana DEX Terminal | <https://mainstay.pro> | *Mainstay*

Apr 2026 - Present

- Built a non-custodial Solana DEX terminal that routes every swap through DFlow Protocol's order-flow auction network, eliminating front-running, sandwich attacks, and back-running that silently drain value from retail traders.
- Implemented real-time MEV risk scoring, execution grade analytics, limit orders, prediction market outcome-token trading, token transfers, and a full trade history dashboard in a single terminal-inspired UI.
- Demonstrated measurable protection: Mainstay users receive up to \$9.71 more per \$1,000 swapped compared to other wallets' \$7.93.
- Built PWA support, multi-wallet integration (Phantom, Solflare), and a Vercel proxy architecture to handle CORS and upstream API routing securely in production.
- Technologies: React 18, Vite, Tailwind CSS, Solana Web3.js, DFlow Protocol, Jupiter API, Solana Wallet Adapter, Supabase, Sentry, Resend, Vercel

Multi-Agent AI Risk Management System | <https://asi1.ai> | *DeFiGuard*

Sep 2025 - Oct 2025

- Artificial Superintelligence Alliance | Colosseum Cypherpunk Hackathon Winner – ASI Agents Track
- Built 5 autonomous DeFi AI agents on Agentverse that monitor crypto portfolios across 12 chains: Portfolio Monitor, Risk Analyzer, Market Data Agent, Fraud Detector, and Alert Agent.
- Leveraged SingularityNET's MeTTa knowledge graphs for intelligent risk assessment and AI inference - not just data processing - enabling production-grade decentralised architecture.
- Each agent runs independently via Fetch.ai's uAgents framework for inter-agent communication, allowing individual agents to scale, fail, and recover without affecting the system.
- Integrated real-time fraud detection and instant user alerts via ASI:One chat protocol.
- Technologies: Python, Fetch.ai uAgents, SingularityNET MeTTa, ASI:One Chat Protocol, Agentverse

Solana-Powered Decentralised Tipping Platform | <https://grati-fi.vercel.app/> | *GratiFi*

Apr 2025 - May 2025

- Civic Auth Hackathon Winner
- Developed a decentralised tipping platform enabling seamless crypto-based creator monetisation, reaching 10+ active users during the beta phase.
- Implemented identity verification with Civic Auth and OAuth login via Google, GitHub, Facebook, Discord, and Apple ID.
- Embedded multi-provider Solana wallet integration (Civic, Phantom, MetaMask, Solflare, Trustwallet) with real-time SOL and ETH transfer processing and sub-second on-chain confirmation.
- Technologies: React, TanStack Query, Context API, Node.js, PostgreSQL, Civic Auth, Solana Wallet Adapter