

DANIEL NWACHUKWU

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PROFILE

Full-Stack Software Engineer building scalable web applications, secure backend services, and AI-enabled product workflows. Deep experience with TypeScript, React/Next.js, Node.js, Python, PostgreSQL, Redis, MongoDB, Docker, and AWS. Built BurnGuard, a live AI API cost-control product at burnguard.run, plus Shipyard (self-hosted CI/CD) and Conduit (Stripe-tested webhook delivery engine) end to end. Experienced owning features from schema and API design through product UI, deployment, reliability, and production support.

EDUCATION

University of Nigeria, Nsukka Nsukka, Nigeria

Bachelor of Science, Computer Science 2021 to 2025

Grade: First Class Honours. Activities: Director of Software II (student leadership).

PROFESSIONAL EXPERIENCE

NCAA Performance Management System Lagos, Nigeria · Remote

Full-Stack Engineer (Technical Consultant) May 2025 to Feb 2026

- Rescued a stalled government-tier project by diagnosing a mission-critical blocker and shipping a production-ready fix within 24 hours of onboarding, unblocking a multi-week regression.
- Architected an automated Excel-to-Table KPI Engine that streams monthly performance data into a dynamic dashboard for leadership visibility and reporting.
- Built role-aware admin oversight tooling that reduced manual reconciliation and enabled real-time decision-making across organizational hierarchy.
- Led backend infrastructure migration during the transition from development to production, reducing deploy risk during a government-visibility rollout.

Ekivio (parent org of Gainsty) United States · Remote

Software Engineer Nov 2024 to Oct 2025

- Architected the Employee Portal Dashboard end to end, from frontend architecture through backend service layers, establishing the foundation for the Employer platform that followed.
- Designed and shipped an enterprise-grade Role-Based Access Control system supporting granular permissions across complex organizational hierarchies.
- Expanded scope to maintain Gainsty concurrently, engineering automated data integration for real-time social media metrics and resolving API bottlenecks in growth workflows.
- Maintained 99.9% uptime across both products through proactive infrastructure work and disciplined deployment cycles.

OnlyDust Paris, France · Remote Fellowship

Open Source Fellow Jun 2025 to Aug 2025

- Selected for the inaugural OnlyDust Fellowship, a manually vetted program for high-impact contributors to decentralized protocols.
- Shipped 60+ merged pull requests to core Starknet, Sui, and Stellar codebases, collaborating with international maintainers on runtime performance and transaction safety.
- Delivered secure implementations across smart contract logic, SDK state synchronization, and low-level protocol debugging.

WagerDAO United States · Remote

Frontend Engineer (Contract) Feb 2024 to Jul 2025

- Delivered roughly 95% of the platform's core UI infrastructure across two engagement phases, including the decentralized betting engine, real-time wallet management, and dynamic sports dashboards.
- Engineered Web3 integrations with Wagmi and TypeScript, bridging live smart contract state to a reactive frontend for real-time betting receipts and game tracking.
- Restructured the development workflow during relaunch to reduce deployment friction and accelerate mission-critical updates.

LionX (MafiaManes) United States · Remote

Frontend Engineer (Internship) Jul 2023 to Dec 2023

- Engineered core minting infrastructure on the Tron Network with wallet connections, real-time transaction feedback, GSAP, and SCSS UI components, holding 99.9% uptime through high-traffic minting events.

Heavyside Finance · United Kingdom · Remote
Frontend Engineer (Contract) Mar 2022 to Jul 2023

- Pioneered the end-to-end frontend architecture for a DeFi platform, scaling from concept to production-ready.
- Architected real-time market data flows via CoinGecko API integration for live price tracking and automated portfolio valuation.

TECH PROJECTS

BurnGuard · AI API Cost-Control Proxy 2026

Go, SQLite, PostgreSQL, Next.js, WebAuthn, Docker, AI API integrations

- Built a live AI API proxy where developers change one base URL and route requests through BurnGuard for token tracking, spend visibility, session history, alerts, and budget enforcement before provider charges can run away.
- Shipped a developer dashboard at burnguard.run for spend analytics, usage history, and operational visibility across AI-agent workloads.
- Packaged a Go CLI with interactive setup, local SQLite durability, cross-platform installers, and sync behavior so budget enforcement survives backend downtime.

Shipyards · Self-Hosted CI/CD Deployment Engine 2026

TypeScript, Docker, Nginx, PostgreSQL, Drizzle ORM, PM2, WebSockets, Let's Encrypt

- Built a custom deployment engine from scratch that clones a GitHub repo on push, builds in an isolated Docker container, runs tests, deploys to a subdomain, and streams logs to the browser in real time via WebSocket.
- Implemented HMAC-SHA256 webhook verification, AES-256-GCM secret encryption, and framework detection that auto-generates Dockerfiles for projects without one.

Conduit · High-Reliability Webhook Delivery Engine 2026

TypeScript, Express, PostgreSQL, Redis, BullMQ, Docker Compose, HMAC signing

- Engineered a source-agnostic webhook relay with signature verification, event storage, Redis-backed queuing, BullMQ workers, retries, and HMAC-signed outbound delivery; verified end to end against real Stripe webhooks in sandbox.
- Applied write-ahead persistence at the application layer so events survive queue failures.

Offline Bridge · USSD-to-Blockchain Protocol 2025 to 2026

Base L2, Celo, Elysia.js, Africa's Talking, TypeScript, GSM Protocol

- Designed a USSD-to-Blockchain protocol that lets users on feature phones spin up non-custodial wallets and execute on-chain transactions with no smartphone and no internet.
- Selected as a W3Node Hackathon finalist and invited to Cape Town to pitch live to VCs, investors, and protocol founders.

SKILLS AND TOOLS

Frontend: React, Next.js, TypeScript, JavaScript, Tailwind CSS, semantic HTML, dashboards, responsive product UI

Backend and Data: Node.js, Express, Elysia.js, Python, REST APIs, PostgreSQL, MongoDB, Redis, SQLite, Drizzle ORM, BullMQ

AI and Automation: AI API integrations, token/spend monitoring, workflow automation, developer tools, LLM-assisted development

Infrastructure and CI/CD: Docker, Nginx (reverse proxy, wildcard SSL), PM2, GitHub Actions, Vercel, Hetzner VPS, self-hosted pipelines

Cloud and Security: AWS (Cloud Practitioner), HMAC-SHA256, AES-256-GCM secret encryption, RBAC, WebAuthn, secure delivery

Languages: TypeScript, Go, JavaScript, Python, Java, Bash, Solidity, Sui Move

RECOGNITION AND COMMUNITY

- W3Node Hackathon Finalist and Invited Presenter, Cape Town, South Africa, Jan 2026 (pitched Offline Bridge on stage).
- Technical content creator at TikTok @dev.dannny, publishing engineering explainers and build-in-public updates.
- Certifications: AWS Cloud Practitioner Essentials, JPMorganChase and Wells Fargo Software Engineering (Forage), Nomba Certified Developer, Anthropic AI Fluency.