Daniel Olayinka

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Full-stack engineer building production web platforms across payments, AI integration, and security tooling. Ship end to end: Python, Node and Go services on the backend, Next.js and TypeScript on the front, serverless or self-hosted infrastructure underneath.

EXPERIENCE

Full-Stack Engineer, Kols London · Jul 2026

kols.co.uk · Next.js, TypeScript, Tailwind, shadcn/ui, PostgreSQL, Prisma, Shopify, Stripe, Vercel

- Built a bespoke tailoring commerce platform serving UK and Nigerian customers, using Shopify as the catalog and inventory source of truth while owning measurement profiles, orders, and fitting appointments in PostgreSQL via Prisma.
- Designed a guided twelve-point measurement capture flow with per-field validation and cross-measurement consistency checks that flag anomalous inputs before submission, cutting pattern-drafting errors caused by customer self-measurement.
- Integrated Stripe for one-off commissions and recurring membership billing, with webhook handlers for payment confirmation, refunds, and subscription lifecycle events.
- Shipped an authenticated customer dashboard for order tracking, saved measurement profiles, and support threads, alongside dynamic Open Graph image generation and a server-rendered, fully crawlable marketing surface.

Full-Stack Engineer, Verify Social · Aug 2025 to Present

verifysocial.com.ng · Next.js, TypeScript, PostgreSQL, Prisma, Upstash Redis, TanStack Query, Paystack

- Built an escrow payment platform for social-commerce transactions: funds held until buyer confirmation, with delivery due dates, confirmation windows, and dispute and recall flows.
- Implemented Meta/Facebook OAuth account linking for vendor identity verification, tying a merchant's social presence to a verified payout account.
- Integrated Paystack for collections, escrow holds, and vendor payouts, with idempotent webhook handling so settlement events cannot double-process on retry.
- Built a RAG-based customer support assistant over policy and product documentation, with a provider-agnostic routing layer across Anthropic, Gemini, and OpenAI for per-task model selection and failover, with Upstash Redis for rate limiting and TanStack Query for client-side cache invalidation across transaction state changes.

Full-Stack Engineer, Sarevela (Personal Product) · 2025 to Present

sarevela.com · Next.js, TypeScript, NestJS, PostgreSQL, Prisma, Redis, Docker, Nginx, Debian VPS, TradingView

- Built a crypto perpetual-futures backtesting platform that replays historical market data with exchange-accurate mechanics: eight-hour funding accrual, isolated and cross margin modes, and live liquidation price per position.
- Integrated the TradingView Charting Library over a PostgreSQL OHLCV store, with Redis caching on hot symbol and timeframe series to keep replay scrubbing responsive.
- Built a NestJS analytics engine computing expectancy, R-multiple distribution, profit factor, Sharpe ratio, max drawdown, and equity curve against a buy-and-hold benchmark.
- Shipped an LLM analysis layer surfacing behavioural patterns in a trader's history, and self-hosted the stack on a Debian VPS with Docker Compose behind an Nginx reverse proxy, managing TLS, deployments, and monitoring directly.

Backend Engineer, Sendit.ng · Jun 2025 to Aug 2025

sendit.ng · Python, AWS Lambda, API Gateway, DynamoDB, Terraform, Next.js, TypeScript, Zod

- Architected a serverless logistics backend in Python on AWS Lambda, behind API Gateway and DynamoDB, with automatic scaling and zero-downtime deploys, provisioning every resource through Terraform so environments stayed reproducible.
- Built the Python REST layer for real-time package tracking, vendor management, and delivery updates, reducing response latency through access-pattern optimization and caching on read-heavy routes.
- Configured CI/CD with GitHub Actions and AWS CodeDeploy, and instrumented CloudWatch and Sentry for alerting and Python cold-start optimization.

Full-Stack Engineer, Gib Casino · 2024 to 2025

gib.casino · Next.js, React, TypeScript, ethers.js, Web3Modal, Azuro Protocol, Kohin

- Sole developer of a Web3 sports-betting dApp over roughly a year, integrating the Azuro Protocol for on-chain betting markets, live odds, and settlement, and the Kohin cover protocol for bet insurance with buy-cover, claim, and cover-status flows.

- Built the full betting interface: single and multi-bet slip, my-bets and cashout, league, sport and country navigation, search, and mobile-responsive layouts, with wallet connectivity via ethers.js and Web3Modal on EVM networks.
- Ran development and production environments and deployments, then rebuilt the client from scratch in Next.js for performance and maintainability.

Full-Stack Engineer, iDeyFind · Mar 2023 to Jan 2025

ideyfind.com · *Next.js, TypeScript, Prisma, Material UI, React Hook Form, Zod, GitHub Actions*

- Developed and maintained frontend and backend components across the platform, working with designers and product managers to establish web accessibility practices as a team standard.
- Implemented authentication with NextAuth.js, including JWT guards, edge middleware, and session validation kept consistent across client and API routes.
- Built modular admin dashboards with role-based access control and component-level authorization for vendor, customer, and admin roles.
- Integrated OpenAI-powered product description generation, semantic search, and support automation, removing most manual copywriting from the vendor onboarding flow.

Software Engineer, Aggital Works · Jan 2023 to Dec 2023

aggital.com · *Laravel, PHP, MySQL, Blade*

- Built and maintained backend features across multiple client projects, including Ushoppen, an ecommerce platform, implementing authentication, authorization, queue jobs, and RESTful services.
- Optimized database queries and integrated third-party APIs, working alongside senior developers in an agency delivery environment.

SELECTED PROJECTS

Specter - Security Scanner · Go, YAML, Concurrency
Plugin-based vulnerability scanning framework in Go. YAML-driven templates detect CVEs across web applications and network services, built on a custom HTTP engine with matcher logic and a concurrent scanning architecture.

Link Redirect Platform · Python, Next.js, Prisma, PostgreSQL, Redis, BullMQ
High-throughput redirect service with a Next.js control plane and BullMQ workers on Redis processing clicks asynchronously. Split the latency-sensitive redirect path into a standalone Python microservice to keep tail latency low and isolate it from dashboard traffic.

Crypto Market Intelligence Scraper · Python, Selenium, BeautifulSoup
Automated collection of token and market data from DexScreener, with scheduled runs, validation, and transformation into structured datasets for downstream analysis.

Team Vanilla Dip (Hatchways) · TypeScript, React, Node.js
Collaborative full-stack web app built with an international team during the Hatchways program. Built the notifications feature and Gmail SMTP email integration on a pull-request workflow, contributing 80+ commits across frontend and backend.

SKILLS

Languages: Python, TypeScript, JavaScript (ES6+), Go, PHP, SQL, Bash, C++

Backend: Python (Flask, FastAPI), Node.js, Express, NestJS, Laravel, Prisma ORM, REST API design, webhook handling, BullMQ, background workers, async services

Frontend: React, Next.js (App Router), Tailwind CSS, shadcn/ui, Material UI, TanStack Query, React Hook Form, Zod, Framer Motion, GSAP, Recharts, TradingView Charting Library, accessibility (a11y), Core Web Vitals

Databases: PostgreSQL, MongoDB, MySQL, Redis (Upstash), DynamoDB, Supabase

Cloud & DevOps: AWS (Lambda, API Gateway, DynamoDB, CodeDeploy), Terraform, Docker, Docker Compose, Nginx, Debian/Linux administration, Vercel, GitHub Actions, CloudWatch, Sentry

AI Integration: Anthropic Claude API, OpenAI API, Google Gemini, RAG pipelines, embeddings, semantic and vector search, multi-provider routing

Payments & Commerce: Stripe, Paystack, Shopify, Web3 (ethers.js, Web3Modal)

Security: OAuth 2.0 / PKCE, NextAuth.js, JWT, RBAC, session management, vulnerability scanning and CVE detection, phishing simulation tooling, Hack The Box CTFs

Automation & Testing: Selenium, BeautifulSoup, Jest, Supertest, Postman, unit and integration testing

EDUCATION

Afe Babalola University (ABUAD) - B.Eng, Mechanical Engineering, 2022