Daniel Nyong | Full-Stack Engineer

Abuja – Nigeria
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Summary

Full-stack software engineer specializing in TypeScript, React, Next.js, Node.js, Bun, and PostgreSQL. Experienced in building production web applications, cloud-native services, and high-throughput data systems, with a focus on backend engineering, asynchronous processing, data security, and performance optimization. Comfortable owning the development lifecycle from database and API design through testing, deployment, and monitoring.

Technical Skills

Languages: TypeScript, JavaScript, SQL, Python

Frontend: React, Next.js, Tailwind CSS, shadcn/ui, Zustand, Recharts

Backend: Node.js, Bun, Hono, Express, Server Actions, REST APIs, Asynchronous Processing, Worker Pools

Databases & BaaS: PostgreSQL, Supabase, Firebase/Firestore, SQLite, BigQuery, Knex

Cloud & DevOps: Cloudflare Workers, OpenNext, Hyperdrive, Google Cloud Run, Cloud Build, Cloud KMS, GitHub Actions, Vercel, Sentry, PostHog, CI/CD

Security & Access Control: Multi-Tenancy, Role-Based Access Control (RBAC), Envelope Encryption

Professional Experience

Statisense **Lagos, Nigeria (Remote)**

Software Engineer (Full-Time) *Nov 2026–Present*

- Joined full-time after contracting with Statisense since March 2026.
- Continue building production APIs and asynchronous processing systems with TypeScript, Bun, and Hono.

Statisense **Lagos, Nigeria (Remote)**

Contract Software Engineer *Mar 2026–Nov 2026*

- Architect and build high-performance APIs using TypeScript, Bun, and Hono.
- Design asynchronous processing pipelines and worker orchestration, including a multi-tenant background-removal service using Sharp, SQLite WAL crash recovery, and Gemini Vision quality checks.
- Deploy production microservices to Google Cloud Run through automated Cloud Build workflows.

NDC Diaspora Portal & Administration Platform **Remote**

Lead Full-Stack Software Engineer, ndcdiaspora.org *Jun 2026–Present*

- Launched ndcdiaspora.org and reached 500+ visits within the first 60 days.
- Built public leadership, chapter, event, press, gallery, and membership flows with Next.js, React, TypeScript, and Strapi CMS.
- Developed authenticated admin and executive workspaces with RBAC, email OTP, a super-admin panel, and role-specific field access.
- Added page-level loading skeletons that closely match each final layout, plus PostHog analytics from Vercel and Sentry error monitoring.

Securities & Exchange Commission (SEC) **Abuja, Nigeria**

Software Developer Intern *2024*

- Led interns in building web-based payroll tax computation software and automated reporting scripts, saving roughly 15 hours of manual work weekly.
- Built internal workflow visibility interfaces and automation scripts for financial operations.

Projects

Thrift E-Commerce Platform **Live site · GitHub**

TypeScript, Node.js, Express, PostgreSQL, Supabase, Knex, Next.js, Cloudflare Workers

- Built a pnpm monorepo with an Express/TypeScript API, Next.js storefront, scheduled cron jobs, and a dedicated product search service, deployed as Cloudflare Workers with OpenNext and Hyperdrive.
- Designed a modular backend with clearly separated business logic, data access, and external integrations across ten business domains.
- Implemented product variant and pricing models, carts, orders, vendor analytics, payments, media, and reviews.
- Built an automated API test suite with 150 unit tests, 284 integration tests, and 101 adversarial end-to-end cases.

Custom Ethereum Indexer **GitHub**

TypeScript, Node.js, PostgreSQL, Ethers.js

- Engineered a real-time Ethereum ingestion engine with chain-reorganization handling, atomic database rollbacks, and an Indexer Management Utility for backfills and maintenance.
- Improved bulk ingest throughput roughly 108× (312 to 33,595 rows/s on a 100k-row benchmark) using chunked COPY staging.
- Optimized storage with `pg-copy-streams`, block-number range partitioning, and BRIN/B-tree indexes; enforced data integrity with runtime Zod validation.

Lean EHR Platform **Live demo · GitHub**

Next.js, TypeScript, Firebase/Firestore, Google Cloud KMS, BigQuery

- Built a FHIR-inspired resident record with clinical, contact, and financial subcollections, plus a SNOMED CT terminology service.
- Implemented per-document AES-256-GCM encryption with four Cloud KMS key classes, making role-based decryption a cryptographic boundary.
- Streamed financial collections into BigQuery for dashboards while deliberately excluding clinical and contact data.

Education

American University of Nigeria (AUN) **Yola, Nigeria**

B.Sc. Computer Science *Jun 2025*