GENESIS OSASENAGA IGHALO

Full-Stack Developer | React, Next.js, TypeScript & AI-Assisted Tooling

+2349051749851 | ighalogenesis2007@gmail.com | Portfolio
Github | LinkedIn | Codeforces

Frontend-focused full-stack developer with professional experience building and maintaining production web applications. Experienced with React, Next.js, TypeScript, TanStack Query, and OpenAPI REST integration. Uses AI coding assistants to accelerate development while independently verifying generated code, debugging issues, and maintaining architectural quality across remote teams.

TECHNICAL SKILLS

- **Frontend:** React, Next.js, TypeScript, JavaScript, HTML5, CSS3, Tailwind CSS, shadcn/ui
- **Data & API Management:** TanStack Query, REST APIs, OpenAPI, Hey API, Orval, asynchronous state management
- **State & Validation:** Zustand, Zod
- **Backend & Databases:** Node.js, Express, Hono, PostgreSQL, Prisma ORM, Redis, Supabase, Firebase
- **AI-Assisted Development:** GitHub Copilot, Antigravity IDE, conversational AI assistants
- **Tools & Testing:** Git, GitHub, Linux, Bash, Vercel, Browser DevTools, network inspection, cURL, API testing

PROFESSIONAL EXPERIENCE

Zkyte Technologies Ltd. — Nov. 2025 – Present

Full-Stack Developer | Remote

- Build and maintain production web applications using React, Next.js, TypeScript, and Tailwind CSS, translating Figma designs into responsive, reusable, and type-safe components.
- Develop data-driven dashboards and role-specific interfaces across platforms including Nationwide League One (NLO), National Women Football League (NWFL), CreatorBlock, and TinDrop.
- Integrate backend REST APIs using OpenAPI-generated TypeScript SDKs (Hey API) and manage asynchronous server state, caching, and request lifecycles with TanStack Query.
- Implemented NLO match-clock synchronization functionality, integrating existing Redis and database utilities through application endpoints to synchronize live match-time updates between users and match agents.
- Use AI-assisted development workflows (Antigravity, GitHub Copilot) to accelerate feature scaffolding, SDK integration, and refactoring, while critically reviewing and adapting generated code for correctness and maintainability.
- Investigate frontend and API issues using Browser DevTools, network inspection, and cURL, collaborating with backend developers to resolve integration issues and optimize data-fetching strategies.
- Conduct frontend code reviews, prepare technical documentation and API integration reports, and enforce branching standards across development and production deployments.

Gheli Technology Solutions — Jun. 2025 – Jul. 2025

Web Developer Intern | Benin City, Nigeria

- Developed component-based, mobile-oriented web interfaces using Ionic React and designed high-fidelity UI/UX wireframes in Figma.

SELECTED PROJECTS

Kanny Kanban | Full-Stack Management System — Frontend | Backend

Next.js, TypeScript, Node.js, Express, PostgreSQL, Prisma

- Built a full-stack Kanban management platform featuring multi-project board hierarchies, position-based drag-and-drop task ordering, and typed client-server API interactions.
- Implemented JWT-based authentication, role-aware route protection, relational cascade handling, and centralized Zod request validation.

Stateless-Verifier Authentication | Research & Implementation — Thesis & Code

Python, Ed25519, SHA-512/256, Cryptography

- Designed and formalized a mathematical authentication model for offline one-time password generation and $O(1)$ constant-time verification using Ed25519 digital signatures and a SHA-512/256 hash ratchet.
- Built a Python reference implementation and automated validation suite to evaluate replay resistance, forward secrecy, and skipped-token edge cases.

Solo Leveling Reader | Frontend Web Application — GitHub

Next.js, TypeScript, Tailwind CSS, shadcn/ui

- Built and deployed a responsive web reader using Next.js App Router featuring chapter switching, progressive image loading, dark mode, and offline-ready PWA support.

EDUCATION & ACHIEVEMENTS

University of Benin (UNIBEN) Completed 2026

Bachelor of Science in Computer Science | CGPA: 3.87 / 5.0

- **Competitive Programming:** Solved 600+ algorithmic problems on Codeforces (daveshub) and ranked 4th in DevSprint, a knockout-style competitive programming competition hosted by the University of Lagos (UNILAG).