

Emmanuel Owoichoechi Obi

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PROFESSIONAL SUMMARY

Full-stack developer and Computer Science student with experience building web applications, REST APIs, distributed systems, and AI-powered tools. Skilled in TypeScript, React, Next.js, Node.js, NestJS, PostgreSQL, MongoDB, Docker, and message queues. Interested in software engineering opportunities involving backend systems, modern web development, and scalable application architecture.

EDUCATION

Federal University of Technology
Bachelor of Technology in Computer Science

Minna, Nigeria
Feb. 2023 – Feb. 2027

EXPERIENCE

Full-Stack Developer Intern
HNG Tech

Oct. 2025 – Dec. 2025
Remote

- Built full-stack applications using React, Next.js, Node.js, Express.js, PostgreSQL, and MongoDB.
- Developed secure REST APIs, database schemas, authentication flows, and authorization middleware using JWT.
- Improved backend performance by refining database queries, API logic, and server-side request handling.
- Worked with developers, designers, and project managers in an Agile environment to deliver tested features within scheduled sprint cycles.

Frontend Developer
Techcyples Global

Sep. 2024 – Jan. 2025
Lagos, Nigeria

- Developed responsive websites and web applications based on project requirements and client specifications.
- Converted Figma designs into accessible web pages that worked across desktop, tablet, and mobile devices.
- Managed Git repositories and collaborated with team members through code reviews, branch management, and feature integration.

PROJECTS

DevLinks | *Next.js, MongoDB, TypeScript, Tailwind CSS*

[GitHub](#)

- Built a full-stack platform that allows developers to create profiles and manage links to their professional platforms.
- Used the Next.js App Router and route handlers to manage application data, authentication, and protected user actions.
- Developed a responsive and accessible interface with React, TypeScript, and Tailwind CSS.
- Integrated MongoDB for storing user profiles, platform links, and account information.

Distributed Notification System | *Node.js, RabbitMQ, Redis, PostgreSQL, Docker*

[GitHub](#)

- Built a microservices-based notification system for processing email and push notification requests asynchronously.
- Used RabbitMQ for message queuing and Redis for caching and supporting fast access to frequently used data.
- Developed services with Node.js and PostgreSQL for user management, notification templates, and delivery preferences.
- Added retry handling and dead-letter queues to improve delivery reliability during failed or delayed processing.

Audiophile E-Commerce | *Next.js, Convex, Tailwind CSS, Framer Motion*

[GitHub](#)

- Developed a full-stack e-commerce platform using the Next.js App Router and React Server Components.
- Integrated Convex for real-time product data, order processing, and application state synchronization.
- Created a responsive shopping interface with Tailwind CSS and Framer Motion, including persistent cart functionality.
- Built a multi-step checkout process with React Hook Form and Zod validation, including automated order confirmation emails.

Paystack Wallet Service | *NestJS, TypeScript, TypeORM, PostgreSQL, Paystack API*

[GitHub](#)

- Built a digital wallet API supporting deposits, transfers, account balances, and transaction history.
- Developed an API key management system for generating, rotating, and revoking service credentials.
- Integrated Paystack payments and webhooks for transaction verification and automatic balance updates.

- Implemented JWT authentication, Google OAuth, and role-based access control for protected operations.

AI Log Analyzer Agent | *Mastra, Google Gemini, Node.js*

[GitHub](#)

- Developed an AI agent that fetches, analyzes, and categorizes server logs from remote endpoints using natural-language requests.
- Built a multi-step Mastra workflow for log retrieval, pattern detection, and severity classification.
- Added natural-language time parsing so users can request logs using ranges such as “last two hours” or “yesterday.”
- Exposed the workflow through backend services that support integration with external monitoring and debugging tools.

ACHIEVEMENTS

Africa & Everywhere Festival

July 2026

Selected Participant

Lagos, Nigeria

- Selected to attend the Africa & Everywhere Festival from a pool of over 7,000 applicants, participating in networking sessions and speed-interviews with leading companies across multiple industries.

Squad Hackathon

2025

Top 30 Team

Nigeria

- Finished among the Top 30 teams after multiple competitive rounds, collaborating on the design and development of a software solution under strict project deadlines.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, HTML5, CSS3

Frontend: React, Next.js, Tailwind CSS, Styled Components, Framer Motion, Shadcn UI

Backend: Node.js, Express.js, NestJS, Fastify, REST APIs, Mastra (AI Agents)

Databases: PostgreSQL, MongoDB, MySQL, Redis, Convex, Supabase

DevOps & Tools: Docker, RabbitMQ, Git, GitHub, Postman, VS Code

Authentication & Validation: JWT, OAuth 2.0, Zod, React Hook Form