

JOHN OZOEMENA

Full-Stack Software Engineer | Fintech & SaaS Systems | Google Cloud Certified

Lagos, Nigeria | +234 907 212 2585 | johnozoemena@gmail.com | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

PROFESSIONAL SUMMARY

Full-stack software engineer with 5+ years building and scaling production web applications across fintech, advisory, and SaaS domains — shipping systems real businesses depend on, not just writing code. Specialized in JavaScript (React, Next.js, Node.js), Python, and cloud-native deployment on Google Cloud Platform, backed by a Google Cloud Associate Cloud Engineer certification. Creator of Beaver-Auth, an open-source authentication engine for a problem area that's easy to get subtly wrong. Strong advocate of clean architecture, CI/CD automation, and performance-driven engineering.

CORE TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, PHP, SQL, HTML, CSS

Frontend: React, Next.js, React Router, Tailwind CSS

Backend: Node.js, Express.js, PHP (REST APIs, MVC)

Databases: MongoDB, MySQL, PostgreSQL

Cloud & DevOps: Google Cloud Platform, Docker, CI/CD (GitHub Actions), Vercel, Netlify, NGINX

Tools: Linux, Git, GitHub, Postman, MongoDB Atlas, Neon

FLAGSHIP PROJECT

Beaver-Auth — Open-Source Authentication Engine

Tech: TypeScript, Node.js, JWT

- Designed and built a framework-agnostic authentication engine that handles the security workflows most systems get subtly wrong — session and token lifecycle, refresh flows — while leaving application architecture, database, and infrastructure fully under the developer's control.
- Built with zero third-party dependencies; shipped JWT refresh token support in v1 rather than deferring it, matching what production auth systems actually require.

Open-source: github.com/jon-ozo/beaver-auth

PROFESSIONAL EXPERIENCE

Freelance Full-Stack Developer — Cashboxng, Lagos, Nigeria

Jul 2022 – Mar 2024

- Designed and implemented RESTful APIs powering customer financial services.
- Built and deployed a React + Node.js customer dashboard used by active users.
- Improved system reliability through structured error handling and logging.

Freelance Developer — TuneAfrique, Lagos, Nigeria

Feb 2022 – May 2022

- Developed internal tools that improved operational efficiency.
- Maintained and optimized database systems.
- Debugged and resolved critical production issues.

KEY PROJECTS

COMULAG Foundation — Staff, Donations & Inventory Platform

Tech: React Router, PostgreSQL, Drizzle ORM, Backend-for-Frontend (BFF)

- Architected and built the backend powering the foundation's staff management, order processing, donation tracking, and book inventory systems — and directs the platform's technical architecture end-to-end.

Zitra Pay — Cross-Border Payments Platform

Tech: React, Node.js, MongoDB, CI/CD

- Built frontend for fintech payment workflows.
- Implemented automated deployment pipelines.

Advian Partners — Investment Advisory Platform

Tech: React Router v7, Netlify

- Developed corporate advisory website with scalable routing and SEO optimization.

Afro Capital — Investment Firm Website

Tech: HTML, CSS, JavaScript, PHP

- Built custom interface for financial content.

CERTIFICATIONS

- Google Cloud Associate Cloud Engineer (2024)
- MongoDB Aggregation Fundamentals (2025)

EDUCATION

Diploma — Computer & Network Engineering — Nigerian Railway Technical College

Diploma — Web Development — Karrox Computer Education

SOFT SKILLS

System Thinking • Product Mindset • Cross-Team Collaboration • Continuous Learning • Technical Communication