UCHENNA EGBUEDO

Full-Stack Software Developer
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SUMMARY

I am a Full-stack developer with hands-on experience designing, building, and shipping user-focused web applications and systems. My work spans multi-tenant SaaS platforms, gas station management systems, restaurant ordering platforms, fintech Vtu applications, and enterprise software systems - each built with deliberate focus on scalability, security, and long-term maintainability. I am particularly interested in building practical software that solves real-world problems, from business workflows to digital infrastructure. Currently deepening backend expertise through intentional project-based learning, and ready to progress towards technologies Institutions and firms I partner with lean to.

EXPERIENCE

Freelance – Independent Contractor *2024 – Present*
Remote

- Still building Beacon, an early-stage deployment platform - a Next.js web app for managing projects, deployments, and domains, plus a separate worker that builds and runs deployed applications with Docker. It features;
  -Marketing site and authenticated dashboard for projects, deployment status and logs, domains, and organization settings.
  - Email/password authentication, database-backed sessions, email verification, password reset, and login rate limiting.
  - Personal workspaces and team organization records.
  - PostgreSQL data access through Prisma.
  - An asynchronous deployment queue processed by one or more worker processes.
  - Docker image builds, health-checked release cutovers, Traefik routing, and Let's Encrypt certificates.
  - Optional Cloudflare DNS record creation and Resend email delivery.

- Building mairaPay - a fintech-style VTU and bill payment prototype for the Nigerian market. The project combines a React + Vite frontend with a Laravel API backend to model wallet funding, airtime/data purchases, cable/electricity verification, transaction history, notifications, and provider-driven service flows. Frontend features; responsive fintech UI, landing page, Authentication screens, Customer dashboard, Airtime purchase flow, Data plan flow, Cable TV verification/subscription flow, Electricity meter verification/payment flow, Wallet funding UI, Bank-transfer wallet funding UI, Transaction list/search/detail, Settings and notification preferences, Mobile bottom navigation. The backend features;
  - Laravel API with Sanctum-based authentication
  - User wallet and ledger models
  - Bill transaction management
  - VTU provider abstraction and provider manager
  - Fake VTU provider for local/dev testing
  - VTU catalog endpoints for data plans and verification handlers
  - Wallet funding initialization and verification flow
  - Paystack webhook handling
  - Notification persistence and preference APIs
  - Queued transaction/finalization workflows

- Building UC-Agro. A full-stack e-commerce platform for farm products, featuring a React frontend and an Express/MongoDB backend. It supports user authentication, product management, cart and checkout, and admin analytics.

- Built Neon-breakout - A classic Breakout arcade game application with modern cyberpunk glassmorphism UI, real-time user authentication (JWT + Bcrypt), customizable pilot profiles, dynamic game physics, power-ups, retro synth audio, and global leaderboards. Configured for hosting on vercel with serverless functions and MongoDB Atlas.

- Built typing mavis - A modern, minimalist typing game to beat the clock by typing random words with speed and precision. It's features include a clean minimalist UI, dynamic theme switcher, interactive HUD, micro interactions, difficulty modes and keyboard shortcuts.

- Built Sedocu Solutions - Sedocu Software Solutions is a modern, high-performance agency web application engineered with Next.js 14 App Router, TypeScript, and Tailwind CSS. It highlights end-to-end software engineering solutions, enterprise architectural capabilities, interactive client tools, dynamic project cost estimation, real-time client sprint dashboards, and featured production case studies.

- Built a calming guided breathing application that uses a visual indicator to signal when to inhale, pause, and exhale.

- Developed a Node.js + Express + MongoDB REST API for a social media-style application. It includes user registration/login, profile updates, follow/unfollow logic, and post management.

Backend Developer *2023*

Berge Tech · Abia State

- Developed Yube, a gigs website for developers, using Laravel and MySQL. Yube is a full-stack web application that connects employers with developers. Users can create accounts, post job listings with detailed descriptions, search and filter opportunities by tags and keywords, and manage their listings through an intuitive dashboard.

SKILLS

PHP (Laravel) • JavaScript • MERN Stack (MongoDB, Express, React, Node.js) • HTML & CSS • MySQL • MongoDB • Git & GitHub • REST API Design

Communication • Presentation & Public Speaking • Time Management • Leadership & Relationship Management • Guidance & Mentoring

TECH EXPERTISE

HTML	4 Years
CSS	4 Years
JavaScript	3 Years
PHP (Laravel)	3 Years
React	2 Years
Next.js	2 Years
Solidity	Soon

EDUCATION

B.Sc. Human Anatomy — Alex Ekwueme Federal University Ndufu-Alike Ikwo

LANGUAGES

English (fluent)

INTERESTS

Crypto and financial markets, music and instrumentation, mentoring and public speaking.