Odeh Samuel Eji

Full-Stack Developer

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SUMMARY

Final-year computing student who builds full-stack web apps with React, Node.js and Next.js, and who is finishing a capstone that puts a YOLO weed detector behind a Flask API and a React dashboard. Looking for a junior full-stack or frontend role where I can ship features and keep learning from a team.

PROJECTS

Weed Detection System for Maize Farms | Final-year capstone 2025 – 2026

Python, YOLO, Flask, React.js, ESP32-CAM

- Trained a YOLO object detection model to find weeds in maize field images, then wrapped it in a Flask REST API.
- Built a React dashboard that shows live feeds from several ESP32-CAM units, one per field zone.
- Trained on 3,200 labelled images and reached 0.87 mAP@0.5 on a held-out test set.
- Debugged the video detection pipeline so detections run on streamed frames, not only on uploaded images.

ClinicQ Dental Scheduling | Personal project 2026 – Present

React, Next.js, Tailwind CSS, Framer Motion, PostgreSQL

- Online booking site for a dental clinic, designed around three roles: patient, staff and admin.
- Working through the site page by page; the home page is finished and the booking flow is next.

Habit Tracker | Personal project 2025

React, Tailwind CSS, React Query, Zustand, Node.js, Express, MongoDB

- Full-stack app for creating, editing and tracking habits by frequency and category, with each user seeing only their own data.
- Auth uses JWTs stored in HTTP-only cookies; server state is handled with React Query and UI state with Zustand.

Restaurant Reservation System | Personal project 2025

React, Node.js, Express, MongoDB, Cloudinary, Multer

- Lets customers view a restaurant and make or manage reservations, stored in separate users and reservations collections, with image uploads through Multer and Cloudinary.

EXPERIENCE

Software Development Intern Jun 2025 – Aug 2025

Company name, Abuja, Nigeria

- Fixed bugs and built small features in a React and Node.js codebase, working from tickets assigned by a senior developer.
- Wrote REST endpoints and tested them with Postman before handing them to the frontend team.

OPEN SOURCE

Dfunder / stellarAid-contract 2026

- Assigned issue #1005: replacing bare URLs and vague link labels in the docs with descriptive link text.

EDUCATION

B.Sc. Mechatronics Engineering Expected 2026

Federal University of Technology, Minna, Niger State, Nigeria

Relevant coursework: Data Structures, Database Systems, Machine Learning, Software Engineering

SKILLS

Languages	JavaScript, Python, SQL
Frontend	React, Next.js, Tailwind CSS, Framer Motion, React Query, Zustand
Backend	Node.js, Express, Flask, REST APIs, JWT authentication
Databases	MongoDB, PostgreSQL
ML / Hardware	YOLO object detection, ESP32-CAM
Tools	Git, GitHub, Vercel, Postman

LANGUAGES

English (fluent) | Idoma (native)