





# Jedidiah Okon

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## Professional Summary

Experienced Full-Stack Web Developer with a strong background in Python/Django and React. Proven ability to build scalable web applications, improve API performance, and lead technical projects from concept to deployment. Adept at collaborating in fast-paced environments to deliver high-quality, production-ready applications.

## Core Competencies

- **Languages:** Python, JavaScript
- **Frameworks:** Django, Django REST Framework, React, Next.js, Node.js, Flask, Tailwind CSS, Bootstrap
- **Databases:** PostgreSQL, Firebase
- **Tools:** Git, GitHub, Heroku, Netlify, Vercel, Postman, VS Code, Docker, Google Cloud Tools
- **Project & Agile Methodologies:** Agile Development, API-First Design, MVP Development, Requirement Gathering, Feature Planning, Technical Documentation
- **AI/ML:** Prompt Engineering, Generative AI Integration (Gemini/OpenAI APIs)

## Professional Experience

### Team Lead & Full-Stack Developer | Hedera Africa Hackathon — MediCheck-AI + Blockchain Medication Verification & Traceability Platform

#### 2025 (60-day build sprint)

- Led a 5-person cross-functional team to design and deliver a working MVP in 30 days for the Hedera Hashgraph Africa Hackathon, targeting counterfeit drugs in Africa’s healthcare sector.
- Architected the full stack using Next.js for the frontend and backend + Hedera SDK integrations.
- Designed the drug traceability ledger leveraging Hedera Consensus Service to create immutable records of drug manufacture, shipment, and sales, reducing counterfeit risk.
- Implemented AI-powered verification in local languages (text & voice) to authenticate drugs at point-of-purchase and educate consumers in real time.
- Integrated QR/NFC scanning workflows enabling manufacturers, hospitals, and insurers to validate drug authenticity instantly.
- Oversaw cloud deployment, security, and scalability considerations for sensitive healthcare data.

### MediRemind (Personal Project)

#### 2025

- Designed and built a Progressive Web App using Firebase + React to help patients manage medication schedules and improve adherence.
- Implemented push notifications, secure user authentication, and caregiver alerts, simulating real-world hospital EMR workflows.
- Architected backend logic for dose scheduling and reminders across time zones, mimicking hospital-grade dosing precision.

**Backend Developer | Segam Mobile Services, Lagos, Nigeria**

**2024 - 2025**

- Engineered and maintained backend services using the Django REST Framework, ensuring scalable and secure architecture.
- Integrated payment gateways (e.g., Paystack) and webhook handling, automating transaction verification and user notifications.
- Optimized backend performance and reduced API response times by refactoring endpoints and reducing database query loads.
- Led a team of junior developers, providing mentorship and code reviews to maintain high-quality code standards.

**Full-Stack Developer | UCHub, Lagos, Nigeria**

**2023 - 2024**

- Developed a university-focused tutoring platform that connected students to tutors across various courses.
- Architected the backend using the Django REST Framework, with secure user authentication, role-based access control, and scalable API endpoints.
- Supervised frontend development using Next.js and Tailwind CSS, ensuring a seamless user experience.
- Established clear documentation and Git-based workflows to streamline collaboration and version control.

**Technical Intern | Startup Tribe, Lagos, Nigeria**

**2024**

- Introduced to WordPress CMS and Elementor, building and updating blog content and company website layouts.
- Gained hands-on experience working on real-world content updates, contributing to live website pages and posts.
- Began journey into technical writing by drafting and editing 3 content pieces under mentorship.
- Supported the content team in publishing blog articles, ensuring SEO basics, and layout structure.

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**Education**

**BSc in Computer Science**

Lagos State University (LASU) | 2025

**Introduction to Python Programming**

NIIT | 2020

**Management Information System (MIS)**

NIIT | 2020

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**Certifications**

**Introduction to Generative AI**

Udacity And AWS | 2024

**Introduction to Machine Learning and Reinforcement Learning**

AWS DEEP RACER | 2024

**Introduction to Web Programming with Python and JavaScript**

Harvard CS50 | 2021