OKANLAWON DAVID IBUKUNOLUWA

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📍 Akure, Ondo State

💼 Portfolio

INTEREST

- **Full Stack Web Development (React, Next.js, Node.js, MongoDB)**
- **Cloud Deployment & Scalable Software Architecture**
- **Bioinformatics & Computational Health Solutions**
- **Artificial Intelligence & Machine Learning in Healthcare**
- **Agile Software Development & DevOps Practices**

LANGUAGES

- **English – Highly proficient in writing and speaking**
- **Yoruba – Proficient in speaking**

REFERENCES

Available on request

PROFILE

Multidisciplinary professional with a B.Tech in Human Physiology and specialized training in Bioinformatics, transitioning into Full Stack Software Engineering. Experienced in building scalable, interactive web applications using React, Next.js, Node.js, and MongoDB. Strong background in computational vaccine design and genomic analysis, bridging science and technology to deliver user-focused, impactful digital solutions. Adept at Agile collaboration, critical thinking, and translating complex ideas into practical outcomes.

EDUCATION

Bachelor of Technology in Human Physiology

Ladoke Akintola University of Technology, Oyo State, Nigeria (2024)

PROFESSIONAL EXPERIENCE

Full Stack Software Engineer

Freelance & Project-Based **(2024–Present)**

- Built responsive, interactive applications with React, Next.js, Node.js, and MongoDB.
- Developed scalable backend APIs for university portals, course registration, and result management systems.
- Integrated front-end and back-end features with a focus on performance and user experience.
- Applied Agile practices, Git version control, and modern deployment workflows to deliver projects.

Bioinformatician (Trainee)

Helix Biogen Institute, Ogbomosho, Oyo State **(2023-2024)**

- Designed a computational pipeline for Influenza D virus vaccine development (epitope prediction, molecular modeling, sequence alignment).
- Analyzed antigenic properties and assessed immunogenic potential for candidate vaccines.
- Worked with NCBI, UniProt, and PDB for sequence retrieval and annotation.
- Collaborated with researchers to convert biological problems into computational health solutions.

LEADERSHIP, PUBLICATIONS & VOLUNTEERISM

- **Publications**: Contributed to computational vaccine design research; authored undergraduate thesis on Metabolic Evaluation of the Combined Effect of Acute Cadmium Chloride and Restraint Stress in Female Wistar Rats.
- **Leadership:** Led a student body of 300+ members, overseeing academic initiatives and events; held roles in student organizations, research groups, and conference committees.
- **Moderator:** Facilitated sessions at **CMAAC'25** and professional symposia, workshops, and career development seminars.

SKILLS

- **Frontend:** React.js, Tailwind CSS, HTML5, CSS3, JavaScript (ES6+)
- **Backend:** Node.js, Express.js, MongoDB
- **Version Control & Tools:** Git, GitHub, VS Code
- **Deployment & Cloud:** Vercel, Azure DevOps
- **Collaboration & Project Management:** Slack, Microsoft Teams, Jira, Agile/Scrum