

RIDWAN OLUWADAMILARE AKINFENWA

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PROFESSIONAL SUMMARY

A Highly skilled **Software Engineer, DeFi Developer, and Blockchain Security Researcher/Auditor** with extensive expertise and hands-on experience of 7 years in all levels of website development, blockchain development, smart contract auditing, and software engineering. Known for designing and coding efficient, high quality applications and contributing to innovative tech solutions. Proven leadership in start-up environments and collaborative projects.

Software/Tech skills: Microsoft Office Suite, Google Suite, C++, SQL, Python, GIS (Arc & QGIS), Solidity (Hardhat, Foundry), Javascript (React.js), Typescript, PHP/Laravel, Flutter, Node.js, Web3.js, Data Analysis (R, SPSS, Orange), Jira & Trello, HTML/CSS, REST API, Firebase, AWS, Wordpress (CMS), GIT, , Django, Azure, Flask.

EDUCATION

Nexford International University, Washington DC, United States

MBA in Artificial Intelligence

Federal University of Technology Akure (FUTA), Ondo State, Nigeria

B.Tech in Forestry and Wood Technology (Second Class Honours (Upper))

PUBLICATIONS, RESEARCH, AND PRESENTATIONS

- MBA Personal Research Project, *“Integrating Artificial Intelligence in Sustainable Business Management: Strategic Implications for Business Operations and Sustainability Goals”*, **Ongoing Research**.
- El-Kurebe, A. (2023): Futa Don, Students Develop Mobile App. for Tree Volume Estimation - Prof. S.O. Akindele, **R. O. Akinfenwa**, and A. N. Akintoye. [Link to publication](#)
- UIRESDEV Hackathon Presentation, *“Technology and Tools Enabling Impactful Solutions”* by **R. O. Akinfenwa**. GenZ UIRESDEV, October 7th, 2023.
- S.O. Akindele, G.O. Jegede, **R.O. Akinfenwa** & A.N. Akintoye. Development Of a Mobile Application For Tree Volume Estimation. 427-438: 43RD Annual Conference of Forestry Association of Nigeria (Akure, Ondo State, Nigeria) - Securing the Nigeria’s Forest States for Sustainable Development. (14th - 18th March, 2022).

PROJECTS & WORK EXPERIENCE

- **AI Engineer: Therapi AI - Germany** **Mar. 2025 - Till Date**
 - Developed and optimized AI-driven mental health solutions, enhancing chatbot accuracy by 40% through NLP and deep learning models.
 - Engineered secure and scalable AI architectures, ensuring compliance with HIPAA and GDPR for patient data protection.
 - Integrated LLMs (Large Language Models) and sentiment analysis algorithms, improving user engagement and response relevance.
 - Collaborated with clinical psychologists and psychiatrists to refine AI-driven therapy recommendations, increasing user retention by 30%.
 - Implemented real-time AI monitoring and model retraining pipelines, reducing bias and improving conversational empathy.
 - Leveraged Python, TensorFlow, PyTorch, and OpenAI, Qween, Grok APIs to build and deploy scalable AI solutions for mental health and therapy applications.
- **Senior Software Engineer/Website Developer: Tech Dynasty Services - Towson, Maryland, USA** **Oct. 2023 - Till Date**
 - Designed & built the company’s official websites, optimizing UI/UX and boosting site engagement by 40%.
 - Engineered a comprehensive EMR (Electronic Medical Record) solution to support healthcare documentation, aligning with industry standards for security & accessibility leading the company’s value to \$1m in one year.
 - Enhanced existing codebases & implemented efficiency improvements, reducing website load time by 35% & improving system reliability
 - Worked closely with cross-functional teams, ensuring software solutions met business and regulatory requirements, leading to a 20% increase in operational efficiency.
 - Designed and deployed high-performance backend systems, improving system scalability and handling for LMS (Learning Management System) without downtime.
- **Project Manager / Lead Smart Contract Auditor (Security Researcher)** **July. 2018 - Nov. 2023**
Smarthub Innovations, Ibadan, Oyo State, Nigeria
 - Led security audits for 50+ smart contracts, identifying and mitigating vulnerabilities that could have resulted in potential losses exceeding \$2M.
 - Developed and implemented an automated smart contract auditing framework, reducing manual review time by 40% and increasing efficiency.

- Aligned smart contract security assessments with industry standards (e.g., OWASP, SWC Registry), improving protocol reliability and compliance.
- Managed a team of 10+ security researchers, blockchain engineers, and developers, ensuring timely delivery of security audits and risk assessments.
- Identified emerging threats in DeFi, NFTs, and Layer 2 solutions, publishing technical reports that improved security awareness in the Web3 community.
- **CoFounder: Strap Finance - Lagos, Nigeria** **Sept. 2022 - Dec. 2023**
 - Led negotiations and established partnerships with 10+ financial institutions and fintech startups, enhancing product offerings and expanding market reach by 35%.
 - Designed & launched a secure digital payment infrastructure that processed over \$700k in transactions within the first year.
 - Spearheaded business development initiatives that increased company revenue by 50% within the first 12 months of operations.
 - Developed a targeted marketing strategy that increased customer acquisition by 60% and boosted active users.
- **Lead Software Engineer: Doktorzz - Lagos, Nigeria** **Jan. 2022 - Dec. 2023**
 - Designed and built visually engaging WordPress websites, increasing user engagement by 45% through optimized UI/UX.
 - Worked closely with project stakeholders, gathering requirements and delivering tailored web solutions, leading to a 30% improvement in client satisfaction.
 - Implemented advanced security measures, reducing cybersecurity vulnerabilities and ensuring 99.9% uptime.
 - Optimized website structure and SEO, leading to a 35% increase in organic traffic and improved customer conversion rates.
- **Senior Blockchain Engineer (DeFi): dFund - United Kingdom (UK)** **July. 2021 - Sept. 2023**
 - Developed & deployed Ethereum-based smart contracts, enhancing platform transparency & security with zero security incidents.
 - Led the design and implementation of a blockchain-based lending and borrowing system, integrating a credit score model, securing \$5M+ in Total Value Locked (TVL).
 - Utilized Truffle, Hardhat, and OpenZeppelin to enhance code security, maintainability, and gas efficiency, reducing transaction costs by 30%.
 - Integrated smart contract security best practices, ensuring full adherence to DeFi security standards and eliminating vulnerabilities in financial transactions.
 - Developed and optimized DeFi DApps using Solidity, Web3.js, and modern blockchain frameworks, ensuring seamless user interactions.
- **Development Team Lead: Traddex Store - Akure, Nigeria** **May. 2019 - Sept. 2022**
 - Led the development team to design, code, and deploy software modules effectively.
 - Supervised coding practices, optimized code efficiency, and maintained software functionality.
 - Worked with cross-functional teams to troubleshoot, debug, and resolve software issues.
 - Contributed to building feature-rich applications using PHP, Laravel and MySQL.
- **Student Intern: Centre for Space Research and Applications (CESRA), Akure, Nigeria** **July. 2021 - Sept. 2021**
 - Calculated Vegetation & Water Index (NDVI & NDWI) to assess the vegetation trends of forest reserves in Nigeria.
 - Acquired basic knowledge in QGIS, Google Earth Pro & ARCGIS tool & its application in forest management assessment.

AWARDS / HONOURS

• 2 nd Runner Up, Wema Bank Hackaholics Startup Competition	2023
• Academic Excellence Award, IFSA, FUTA Chapter	2019
• Award of Excellence & Recognition, NRA, Abuja, Nigeria	2017

PROFESSIONAL DEVELOPMENT AND CERTIFICATIONS

Decentralized Finance (Defi) Development and Management - Finrik	2024
Measurement, Reporting and Verification for Environmental Integrity: Application - FAO	2024
National Youth Service Corps - NYSC	2024
Advanced Business Foundations - Nexford University	2024
• Strategic business planning, financial analysis, innovative problem-solving.	
AI in Business Essential Training, LinkedIn Learning	2024
Programming for Everybody (Python), University of Michigan, Coursera	2023
• Introduction to Python, data type, variables, Python tools such as functions and loops	
Data Science Foundations, LinkedIn Learning	2023

- Data mining using R, Python, Orange, and RapidMiner, Data clustering & reduction, Regression analysis.

Ethereum Blockchain Developer, Udemy	2022
Professional Project Management Basics	2022
Solidity and NFT Development, Udemy	2022
Solidity Programming Language, Udemy	2022
Blockchain Certification Training, SkillUp	2021
Google Digital Skills for Africa	2020
Grade 1 Nigeria Football Referee - NRA/NFF	2017

VOLUNTEERING AND COMMUNITY SERVICE

• Volunteer and Outreach Leader of Charity CDS, Ibadan, Nigeria	2024
• Volunteer, Tech Dynasty Youth Support Initiative, Pamirian Foundation, Imo, Nigeria	2024
• Member and Media team volunteer for OneAfricanChild Foundation	2023
• Participated in the NYSC Impact 50 lives community outreach, Ibadan, Nigeria	2023
• Web Development and Media team, The Beat School Tour, CMTGGI, Lagos, Nigeria	2021

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