Ademola Omisakin
Software Engineer

+23490661640836# www.linkedin.com/ademola-olarotimi # Aoluwar@gmail.com

Results-driven Software Engineer with 5 years of experience in designing, developing, and maintaining software applications.Versatile technology professional with expertise in AI Engineering, blockchain development, and educational outreach. Proven track record in designing and deploying cutting-edge solutions across various domains, demonstrating strong entrepreneurial spirit and leadership skills. Committed to knowledge sharing and community development through volunteer work.

SKILLS

- Programming Languages:Python, JavaScript,Rust,Go,Solidity
- Web Development: HTML, CSS, React, Node.js
- Databases: SQL, MongoDB, POSTGRESQL
- Core Compentecies: Machine Learning & AI, Blockchain Development, Data Analysis & Visualization, Full Stack Development, Project Management, Team Leadership ,Educational Outreach
- Frameworks: Django,Flask
- Version Control: Git
- Software Tools: IntelliJ IDEA, Visual Studio Code,Spyder
- Problem Solving: Algorithm design, debugging
- Agile/Scrum Methodologies: JIRA
- Team Collaboration: Strong communication and teamwork skills

PROFESSIONAL EXPERIENCE

BLOCKCHAIN ENGINEER (Contractor)|Remote|Jan 2023 – current

- Develop and maintain blockchain solutions for various clients using Rust, Go, and Python

- Implemented smart contracts and decentralized applications (dApps) on Ethereum, and Solana platforms

- Conducted comprehensive security audits and implemented best practices, preventing potential vulnerabilities

- Collaborated with cross-functional teams to integrate blockchain solutions into existing fintech and supply chain systems

- Developed a custom consensus algorithm for a private blockchain, improving energy efficiency by 60%

- Mentored junior developers in blockchain technologies and best practices

MACHINE LEARNING ENGINEER |GROW |Lagos Remote | Jul 202 - Apr 2023

- Developed and implemented machine learning systems for agricultural advancement, that can improve crop yield predictions by 30%
- Designed and deployed a recommendation system for optimal fertilizer pricing.
- Implemented a weather prediction model and historical data, achieving 85% accuracy
- Collaborated with agronomists to design algorithms tailored to specific crop types.
- Worked on a user-friendly dashboard with developers for farmers to access AI-driven insights, increasing platform adoption by 50%.
- Select relevant datasets and perform experiments and tests to improve the performance of our applications.
- Keep up with the latest developments in the field by extending existing frameworks and libraries.

DATA SCIENTIST |Fiverr|Freelance Remote |Oct 2021 - Feb 2022

- Provided data science solutions for diverse client projects, consistently achieving 5-star ratings
- Constructed predictive models to address complex business issues, resulting in 25% average improvement in decision-making accuracy for clients
- Developed a churn prediction model for a telecom company, enabling targeted retention strategies that reduced churn by 15%
- Created a sentiment analysis tool for a social media marketing agency, improving campaign effectiveness by 40%
- Implemented a recommendation system for an e-commerce platform, increasing cross-sell revenues by 30%
- Utilized advanced data visualization techniques to present insights effectively to non-technical stakeholders.

HTML/CSS DESIGNER |Upwork Freelance| Jul 2021 - Dec 2021

- Delivered front-end design and development support for various client websites
- Collaborated with web designers to implement responsive and visually appealing layouts
- Optimized website performance, achieving an average 40% reduction in load times
- Implemented accessibility features, ensuring WCAG 2.1 compliance for client websites
- Created reusable CSS components, improving development efficiency by 25%

ENGINEERING INTERN|Control Systems International Co. Ltd. (CSI) |Lagos, NG |Jun 2020 - Mar 2021

- Assisted in the installation and maintenance of industrial measurement and control systems
- Contributed to research and development initiatives focused on process automation
- Performed calibration and general maintenance tasks for downstream depot systems
- Developed a Python script to automate routine maintenance reports, saving 10 hours per week
- Assisted in the implementation of an IoT-based monitoring system for remote equipment diagnostics

EDUCATION

Bachelor of Science in Physics |Obafemi Awolowo University|Ile-Ife ,NG | May 2023

Relevant Courses: Data Structures, Algorithm Analysis, Python, Remote sensing

DataCamp — Online Data Science Education

Completed extensive coursework in data science, machine learning, and programming

CERTIFICATIONS

AWS Machine Learning Foundations
Aviatrix Certified Engineer - Multi-cloud Network Associate
Fundamentals of Agile Project Management
Product Led Growth Micro-Certification
Build Your Own Chatbot
Data Science Fellow

VOLUNTEER EXPERIENCE

COWRYWISE CAMPUS AMBASSADOR

Sep 2022 - Present

- Promote financial literacy and investment awareness among university students

- Organize workshops and seminars on personal finance and investment strategies

- Increased student engagement with the Cowrywise platform by 40% on campus

FSI STUDENT AMBASSADOR

Jan 2023 - Present

- Represent and promote the Financial Services Innovation (FSI) initiatives on campus

- Organize tech talks and hackathons focused on fintech innovations

- Mentored 15 students in developing fintech project ideas

PHYSICS TUTOR, Ilesa Grammar School — Osun State

Aug 2021 - May 2022

- Provided after-school tutoring in physics for high school students

- Developed interactive learning materials to improve student engagement and understanding

- Helped improve average class performance in physics by 25%

CODING INSTRUCTOR, Prepsmatter Tutorial Centre — Lagos

Jun 2022 - Dec 2022

- Taught introductory programming courses in Python and JavaScript to high school students

- Developed a project-based curriculum to enhance practical coding skills

- Mentored students in creating their first web applications and data analysis projects

IEEE CORE MEMBER, OAU Student Branch

Sep 2020 - Present

- Actively participate in organizing technical workshops and seminars

- Contribute to the branch's research initiatives in emerging technologies

- Assisted in organizing the annual IEEE Week, attracting over 200 participants