

CHUKWUIFUNAYA. A. OBI

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SKILLS

- **Programming Languages:** C++, JavaScript.
- **Front-end Frameworks:** Next.JS, React, HTML, CSS, Material UI.
- **Open-Source Technologies:** Node.JS.
- **Building/Hosting Tools:** GitHub, Vercel.
- **Electronic/Electrical software tools:** MATLAB & Simulink, Proteus, Ladder logic, VHDL, Victron VRM.
- **Electronic/Electrical hardwares:** Teckin socket & Sonoff, Victron CCGX, Coolnomix, Efergy.
- **PLC Systems:** Siemens (S7-300, Simatic), Allen Bradley (RXLogix500, Micro800, MicroLogix1000).
- Microsoft office suite, Tex-maker

WORK EXPERIENCE

- July 2024 – Present** **HEADSTARTER AI** **USA (Remote)**
Software Engineering Fellow
- Headstarter Summer Fellow. This is a 7-week software engineering fellowship. On completion of the program, I would have built 5 AI projects, done 5 weekend hackathons, 1 final project and gotten feedback from senior software engineers.
 - Built a [personal website](#) that showcases my skills and project using HTML5 templates and improving upon it using JavaScript for the functionality, HTML and CSS for the styling.
 - Built an [inventory management app](#) that enables users to add items to their inventory, monitor quantities, and remove items when they're sold or used, using Next.js as my React framework, Material-UI for creating a sleek and responsive user interface, and Firebase Firestore as my backend database. This powerful combination of technologies allowed me to develop a real-time web application that's both scalable and user-friendly.
- Jan 2022 – Sep 2022** **OPTIVA CAPITAL PARTNERS** **Lagos, Nigeria**
Relationship Management Executive/Marketer
- Successfully brought in over USD 700,000 in revenue by closing six immigration investment sales, four wealth management sales, and four insurance deals with clients and prospects.
 - Drove the national recognition of the organization by pitching sales to government officials and politicians.
- Feb 2021 – Dec 2021** **SESCO RENEWABLES LTD** **Lagos, Nigeria**
Junior Systems Engineer
- Led site surveys and audits for data collection to design optimal solar power systems.
 - Implemented Coolnomix technology for HVAC systems to optimize energy consumption.
 - Utilized VRM and CCGX platforms for remote monitoring and control of solar powered inverter systems.
 - Performed on-site troubleshooting and resolved technical issues to ensure system functionality.
 - Implemented smart socket technologies (Teckin socket & Sonoff) and configured them via Ewelink to automate energy consumption in facilities with solar power systems.
 - Conducted energy audits using Efergy to recommend energy conservation solutions.

Achievements:

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- Reduced shutdown of facilities to a complete zero by effective remote monitoring, several site surveys, and audits of the solar powered inverter systems for the acquisition of data via VRM or CCGX. I led and managed the expansion and implementation of renewable energy projects to five more facilities.

April 2019 – TECHCRAT INDUSTRIAL AUTOMATION LTD Lagos, Nigeria

Feb 2020 Junior Automation Engineer (Graduate Trainee)

- Successfully completed industrial automation projects at various client sites, demonstrating expertise in PLC programming, system integration, and troubleshooting.
- **Nigerian Tank Cleaning Service (NTCS):** Upgraded control system using Allen Bradley Micro 800 PLC, implemented safety protocols, and installed new pressure/temperature transmitters for enhanced system performance.

Achievements:

- Completed the overhauling of a KAESER SK21 Air Compressor in Lagos's Nigerian Tank Cleaning Service by decommissioning a faulty and wrongly programmed Siemens Sigma controller and replacing it with an Allen Bradley Micro 800 controller and Micro800 LCD.
- **Iron Products Industries:** Enhanced machine functionality through installation of limit switches, VFD motor driver, and Allen Bradley MicroLogix 1000 PLC for accurate production processes.

May 2016 – KONTZ Engineering Services LTD Lagos, Nigeria

Aug 2016 Intern

- Performed maintenance on security systems like baggage scanners and Mantrap doors, demonstrating technical proficiency.
- Participated in access control systems training, expanding knowledge base.

EDUCATION AND QUALIFICATIONS

2022 – 2024 Teesside University

MSc Instrumentation and Control Engineering (Distinction)

Project: Development Of Smart Irrigation Systems That Uses Wastewater (A MATLAB/Simulink Simulation)

2014–2018 Regent University of Science and Technology

BE Applied Electronics and Systems Engineering (First Class)

Project: Design and Construction of a Smart Solar Grass Cutter.

PERSONAL PROJECT(S)

- [Shopping Cart with JavaScript](#) This project shows the core functionality of an eCommerce shopping cart for a cloth market. There's a collection of products and then some functionality to add, remove, and change the quantity of a product in a shopping cart. There is also the checkout function: making a purchase and returning change.