

# OKOH EHJIE ELIJAH

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## PROFILE SUMMARY

Result-oriented Electrical/Electronic Engineer with expertise in Renewable Energy, Power Systems, and Circuit Design. Proficient in solar power system design, signal processing, electrical maintenance, and project management. Additionally skilled in HTML, CSS, PHP, and design tools like Canva and AI applications. Highly motivated, adaptable, and resourceful, with a strong focus on delivering high-quality results. A collaborative team player with exceptional management skills, capable of leading and coordinating teams to achieve superior outcomes efficiently. Proven ability to manage complex projects, meet deadlines, and contribute effectively to both academic and industry advancements. Easy-going by nature, I excel at building strong relationships with colleagues and senior management alike.

## CORE SKILLS

- Software: Auto-CAD, MATLAB
- Maintenance Planning and Troubleshooting
- Electrical Control and Metering
- Electrical Circuit Design and Analysis
- Instrumentation and Measurement
- Project Management
- Cost Benefit Analysis
- Leadership and Strategy Skills
- Customer Service Relationship
- Installations: Electrical, Solar Power Systems
- Microsoft Office Suite: Excel, Word, PowerPoint, Visio, MS Project, Outlook.
- Effective Team Player
- Website and Application Development: HTML, CSS, PHP, MySQL, GitHub, Bootstrap framework and Laravel
- Collaborating Tools: Artificial Intelligence, Canva etc.

## WORK EXPERIENCE – CAREER PROGRESSION

### RURAL ELECTRIFICATION AGENCY, CORPORATE HQ, ABUJA

Project Management and Design Officer (NYSC)

June 2024 – Present

- Successfully managed multiple rural electrification projects, ensuring timely delivery and adherence to budget constraints.
- Conducted energy audits for MDAs, including the Office of the National Security Adviser (NSA) and the Independent Corrupt Practices and Other Related Offences Commission (ICPC), to ensure the load was suitable for the inverter systems to be installed, optimizing energy usage and system efficiency.
- Designed and drafted detailed project briefs, incorporating technical specifications and community needs.
- Utilized advanced design software such as Google earth, google maps to create accurate and comprehensive plans, enhancing project efficiency and clarity.
- Fostered strong relationships with contractors, institutions, and community representatives.
- Organized regular meetings and site visits to ensure alignment with project goals and address any emerging issues, improving overall stakeholder satisfaction.
- Implemented rigorous quality control measures to ensure all projects met regulatory standards and technical requirements.
- Conducted thorough inspections and audits, identifying and resolving potential issues proactively.
- Maintained comprehensive project documentation, including progress reports, budget updates, and compliance records.
- Provided detailed reports to senior management, facilitating informed decision-making and strategic planning.

### BEOFA NIGERIA LIMITED, ABUJA

System Developer

April 2023 – May 2024

- Designed and developed custom software applications tailored to enhance organizational workflows.
- Built and maintained web-based systems using technologies like HTML, CSS, PHP, and Laravel.
- Conducted system testing and debugging to ensure high-quality and functional solutions.
- Integrated third-party APIs to expand system capabilities and improve efficiency.

- Collaborated with cross-functional teams to gather requirements and deliver user-centric designs.
- Managed database structures using MySQL, ensuring data integrity and security.
- Provided post-deployment support and regular updates to improve system functionality.

#### TRANSMISSION COMPANY OF NIGERIA, BENIN SOUTH SUB-REGION

Electrical Engineering Intern (Industrial Training)

April 2021 – October 2021

- Executed maintenance, repairs, and installation of protective equipment in the transmission station, ensuring optimal performance and reliability of critical infrastructure.
- Conducted regular inspections and testing of protective devices, identifying and resolving issues promptly to prevent system failures and enhance operational efficiency.
- Engaged in the maintenance of transmission lines, wires, and towers that constitute the grid, ensuring the integrity and stability of the transmission network.
- Participated in routine inspections and assessments of transmission lines, identifying potential hazards and implementing corrective measures to maintain system reliability and safety.
- Supported the installation, troubleshooting, and maintenance of electrical equipment, enhancing the overall functionality and efficiency of the transmission station.
- Diagnosed and resolved electrical faults, ensuring minimal disruption to operations and maintaining high standards of safety and compliance.

#### LAPIS TECHNOLOGY LIMITED, BENIN.

Electrical Engineer Trainee (Student Work Experience Program)

November 2019 – December 2019

- Designed and installed solar panel and inverter systems, contributing to energy-efficient solutions for clients and reducing dependency on the national power grid.
- Executed house wiring and electrical installations for residential and commercial projects, ensuring compliance with safety regulations and industry standards.
- Constructed and installed automatic changeover switches, improving power management and ensuring seamless transitions between power sources during outages.

#### EDUCATION, TRAINING AND CERTIFICATION

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| ▪ <b>B.Eng. in Electrical/Electronic Engineering</b> – Ambrose Alli University  Ekpoma, Edo State | <b>2023</b> |
| <a href="#"><i>First Class Honours – (4.65/5.0)</i></a>   |             |
| ▪ <b>Full Stack Web Development with Laravel</b> – Early Code Institution,  FCT, Abuja            | <b>2023</b> |
| ▪ <b>Project Management Professional</b> – Project Management Institute – <b>In View</b>          |             |

#### PROJECT/RESEARCH EXPERIENCE

Student Researcher

Jan 2022 – October 2022

Department of Electrical/Electronic, Ambrose Alli University, Ekpoma.

Supervisor: Engr. Prof. A.M.O OBIASI

**Research Title:** *Design and Implementation of a 5KVA Solar Power System*

- Played a pivotal role with a team of researchers in the design and implementation of a 5KVA solar power system, contributing to all phases of the project from conceptualization to deployment.
- Assisted in the design and development of the solar power system, ensuring all components were accurately specified and integrated for optimal performance.
- Conducted extensive data collection and analysis to monitor system performance, identifying areas for improvement and implementing necessary adjustments.
- Maintained detailed records of all research activities, findings, and technical specifications, contributing to comprehensive project documentation and reporting.

#### AWARDS AND SCHOLARSHIP

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| ▪ <b>Inter-Platoon Debate Award - NYSC Batch A Stream 1</b>                                       | <b>2024</b> |
| ▪ <b>Scholarship for China-Nigeria Friendship</b> – ( <i>Awarded for highest CGPA in year 1</i> ) | <b>2018</b> |

#### REFERENCE(S)

On Request