

BERNARD OKYERE

Electrical & Cloud Systems Engineer

Portfolio: bernardokyere.com
LinkedIn: linkedin.com/in/bernard-okyere
Contact: bernardokyere.com/contact

PROFESSIONAL SUMMARY

Electrical and cloud systems engineer with hands-on experience in industrial electrical maintenance, flight operations, and technical troubleshooting. Brings practical exposure to computer-network fundamentals and AWS cloud foundations, alongside strengths in AC/DC systems, telemetry, maintenance planning, and safety-focused operations. Published researcher in computer vision and machine learning deployment on Raspberry Pi.

TECHNICAL SKILLS

Electrical & Industrial - Electrical maintenance and troubleshooting - AC/DC circuits, motor controls and battery systems - Electrical testing, circuit breakers and safety compliance	Networking & Systems - TCP/IP and subnetting - Routing, switching, VLANs, DNS and DHCP - Network systems, telemetry and troubleshooting	Cloud & Digital Tools - AWS Cloud foundations - Python - Odoo (CMMS/ERP), Microsoft 365 and Google Workspace
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PROFESSIONAL EXPERIENCE

Ground Systems Maintenance Technician & Coordinator | Fly Zipline Ghana Ltd. | Anum, Ghana

Nov. 2024 - Feb. 2026

- Coordinated maintenance and inspections for ground infrastructure, engineering spares, and maintenance records in Odoo.
- Troubleshoot AC/DC circuits, battery-management systems, and network systems to support reliable operations.
- Supported root-cause analysis and proactive maintenance of communication and power systems.

Flight Operator | Fly Zipline Ghana Ltd. | Anum, Ghana

Oct. 2023 - Nov. 2024

- Executed launch and recovery procedures for autonomous aircraft and monitored real-time flight telemetry.
- Maintained Ghana Civil Aviation Authority standards for safe medical-delivery operations.

Electrician Apprentice | Blessed Osei Electrical Ltd. | Kumasi, Ghana

Nov. 2021 - Sep. 2023

- Completed commercial electrical and meter installations, diagnosed faults, and performed corrective repairs in line with safety requirements.

Electrical Engineering Intern | Logs and Lumber Ltd. (LLL) | Kumasi, Ghana

May 2019 - Sep. 2019

- Supported preventive and corrective maintenance of industrial machinery, motor-control circuits, auxiliary equipment, and circuit breakers.

EDUCATION

AWS re/Start, Cloud Computing | AmaliTech | 2026

Cloud-computing program focused on foundational cloud systems and infrastructure.

Bachelor of Technology, Electrical and Electronic Engineering | Kumasi Technical University | 2023

Published research on a computer-vision and machine-learning model for real-time litter detection on Raspberry Pi.

Higher National Diploma, Electrical and Electronic Engineering | Kumasi Technical University | 2021

Practical experience in industrial electrical systems, maintenance, and computer networks.

SELECTED PROJECT & PUBLICATION

Real-Time Litter Detection on Raspberry Pi | International Journal of Innovation and Development (IJID) | Dec. 06, 2023

Designed and deployed a computer-vision and machine-learning pipeline for real-time litter detection on Raspberry Pi, using the SSD MobileNet V2 FPNLite 320x320 model to improve identification of different litter types. [View publication](#)

PROFESSIONAL CERTIFICATIONS

AWS Certified Cloud Practitioner | Amazon Web Services (AWS) | Jul. 2026

OSHA 10-Hour Construction Course | CareerSafe | Mar. 2024

Foundations of Project Management | Google (Coursera) | Oct. 2022

Google IT Automation with Python | Google (Coursera) | May 2022