

## OBJECTIVE

To leverage my expertise in Electrical and Electronics Engineering with hands-on experience in solar PV system design, installation, and commissioning to contribute to innovative renewable energy projects. I aim to support your company in delivering safe, efficient, and sustainable solar solutions, while growing as a professional through continuous learning and practical project execution.

## CONTACT

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## EDUCATION

- Bachelor of Technology in Electrical & Electronics Engineering  
Technical University of Mombasa, Kenya
- Certificate in Computer Applications (Merit) (Jan 2020 – May 2024)  
ACK Diocese Computer Training Center
- Kenya Certificate of Secondary Education – B+ (2016 – 2019)  
Homa Bay High School

# PAUL MARTIN OLUOCH

## ELECTRICAL & ELECTRONICS ENGINEER | SOLAR PV & DIGITAL OPERATIONS ENTHUSIAST

Automation-focused Electrical and Electronics Engineer with hands-on experience in workflow automation, AI-powered productivity tools, and technical operations, alongside a strong foundation in solar PV and industrial electrical systems. Skilled in designing, testing, and optimizing automated workflows using n8n, Make (Integromat), Zapier, and Power Automate to improve efficiency, accuracy, and scalability. Adept at leveraging AI tools such as ChatGPT, Notion AI, Otter.ai, Fireflies, and Reclaim.ai for documentation, summarization, task management, and decision support. Highly proactive, analytical, and driven to continuously improve digital and engineering processes in fast-paced environments.

## EXPERIENCE

### Electrical Engineer | Spenomatic Solar Limited, Kenya

JAN 2024- PRESENT

- Assisted in the design, analysis, and interpretation of solar PV diagrams, ensuring accuracy in project execution.
- Supported process improvement and semi-automation of technical documentation, site reporting, and material tracking.
- Assisted in the design, analysis, and interpretation of solar PV drawings, ensuring accuracy during project execution.
- Performed solar module stringing (series & parallel) to achieve optimal voltage and current outputs.
- Installed and maintained earthing and grounding systems to ensure personnel safety and equipment protection.
- Oversaw panel mounting, tilt, and orientation, maximizing energy yield.
- Executed professional cable management including sizing, routing, termination, and labeling.
- Worked with PV modules, inverters, combiner boxes, charge controllers, and protection devices.
- Conducted system testing and commissioning using multimeters, insulation testers, and standard commissioning protocols.
- Carried out preventive and corrective maintenance, reducing system downtime and improving reliability.
- Prepared structured digital reports, logs, and technical documentation to support operational efficiency.
- Collaborated with engineers and technicians to deliver multiple projects on time and to quality standards.

## KEY SKILLS

- Solar PV System Design, Installation
- Automation & Workflow Design (n8n, Make/Integromat, Zapier, Power Automate)
- AI Productivity Tools (ChatGPT, Notion AI, Otter.ai, Fireflies, Reclaim.ai)
- Process Automation & Optimization
- Solar PV System Design, Installation & Commissioning
- Electrical Testing, Troubleshooting & Maintenance
- Load Analysis & Energy Audits
- Battery Storage Systems (Lead-Acid & Lithium-Ion)
- Inverter Programming & Monitoring (Web / SCADA)
- AutoCAD & Electrical Design Software
- Data Handling, Documentation & Reporting
- Safety Compliance & Risk Management
- Strong Communication & Cross-Functional Collaboration

## REFEREES

1. Nabongo Stephen  
Technical University of  
Mombasa  
Tel: 433211
2. Salma Issa  
Assistant HR  
Kenya Ports Authority  
Tel: 0726999002

## ELECTRICAL INTERN | KENYA PORTS AUTHORITY

Oct 2023 – Dec 2023

- Maintained electrical systems (lighting, power distribution, motors, and generators).
- Supported troubleshooting and testing of port electrical infrastructure.
- Assisted in installation and upgrades of electrical systems with adherence to drawings and codes.
- Participated in safety drills and ensured compliance with electrical work regulations.

## ELECTRICAL INTERN | COASTAL BOTTLERS (COCA COLA)

Oct 2022-Jan 2023

- Installed industrial socket stations and upgraded control & power circuits.
- Maintained water pumps in the treatment plant.
- Installed new sensor-driven motors and panels for direct online motors.
- Operated robots and automated machinery within production lines.

## INDUSTRIAL TRAINEE | TECHNICAL UNIVERSITY OF MOMBASA

Sept 2021 – Dec 2021

- Assisted in the installation of electrical sockets and lighting systems.
- Autocad and electrical designing
- Safety compliance and risk management