

Sharon Ngetich

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Profile

Control & Instrumentation Engineer skilled in field instrumentation, PLC/HMI programming, automation, IoT, and process control. Experienced in maintenance, troubleshooting, calibration, and design. Currently advancing knowledge in AWS Cloud Computing.

Education

Jomo Kenyatta University of Agriculture & Technology (JKUAT)

BSc. Control & Instrumentation Engineering — Second Class Upper (2020–2024)

Amazon Web Services (AWS) — Cloud Computing (Sept 2025 – Ongoing)

Professional Experience

Maintenance Technician – Glacier Products Ltd(Dairyland) (Sept 2024 – Sept 2025)

- Maintained mechanical, electrical, and instrumentation systems.
- Implemented PID installations & troubleshooting, managed refrigeration systems, tracked KPIs, and conducted root cause analysis.

Intern – Kenya Electricity Generating Company (KenGen) (May–Jul 2022)

- Performed loop checks, calibration, and maintenance of field transmitters; used HART communicator for auto-calibration.

Projects

- PID integration with PLC using thermocouple instead of RTD.
- Automated water transfer system using PLC, HMI, and sensors.
- AutoCAD floor plan for chiller & cold room.
- Smart farm IoT project with ESP32, Blynk app, and sensors.

Key Skills

- Programming: Python, C++, MATLAB, Simulink, AutoCAD, Proteus
- Automation & Control: PLC, SCADA & HMI (TIA Portal V18), Process Control
- Cloud Computing: AWS (in progress)
- Maintenance & Troubleshooting: Electrical, Mechanical & Instrumentation
- OSHA, FSMS & QMS compliance

Soft Skills

Teamwork | Communication | Leadership | Problem-solving | Time Management

References

Available upon request