

Brian Kosgei Mukuru

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Professional Summary

- Results-driven HVAC & Refrigeration Technician with 5+ years of hands-on experience in installation, maintenance, and troubleshooting of commercial and industrial cooling systems. Proven expertise in chillers, VRF/VRV systems, cold rooms, and parallel rack refrigeration systems. Skilled in diagnosing electrical and mechanical faults, performing preventive and corrective maintenance, and optimizing system performance to reduce downtime and improve efficiency. Reliable, safety-focused, and adaptable professional with strong technical, reporting, and problem-solving skills.

Core Technical Skills

- Industrial Refrigeration: Cold rooms, freezers, parallel rack systems.
- Electrical Troubleshooting: Motors, contactors, relays, sensors, control circuits
- Preventive & Corrective Maintenance (PPM)
- Refrigerant Handling, Leak Detection & System Charging
- Control Panels & Wiring Diagram Interpretation
- Commercial Kitchen Equipment Maintenance
- System Commissioning & Performance Optimization
- HVAC Systems: Chillers, AHUs, FCUs, VRF/VRV, Split & Package Units

Experience

- Al-Shaya Chef Supplies** 10/10 -
HVAC & Refrigeration technician
 - Perform installation, servicing, and maintenance of HVAC and refrigeration systems including chillers, split units, package units, cold rooms, and freezers
 - Diagnose and repair complex electrical and mechanical faults in compressors, fan motors, relays, contactors, and sensors
 - Carry out refrigerant charging, leak detection, and system performance testing
 - Monitor system parameters and ensure optimal operation and energy efficiency
 - Interpret electrical drawings and control diagrams for accurate troubleshooting
 - Ensure compliance with safety standards and company maintenance procedures
 - Reduce system downtime through efficient fault diagnosis and timely repairs
- Sheffield Steel Systems** 10/2023 - 9/2025
HVAC &R Technician/Kitchen equipments technician
 - Installed, maintained, and troubleshot HVAC systems including hoods, chillers, package units, and refrigeration systems
 - Performed preventive maintenance (PPM) to enhance system reliability and lifespan
 - Diagnosed refrigeration and electrical faults and implemented effective solutions
 - Conducted refrigerant charging, evacuation, leak testing, and brazing operations
 - Maintained and repaired commercial kitchen equipment in hospitality environments
 - Read and interpreted wiring diagrams and managed control systems
 - Improved operational efficiency through proactive maintenance strategies
- Air-cool refrigeration and engineering limited** 12/2019 - 7/2023
Refrigeration technician
 - Assisted in installation and maintenance of HVAC and refrigeration systems
 - Conducted routine inspections and diagnostics under senior supervision
 - Supported commissioning and system testing activities
 - Prepared maintenance reports and ensured compliance with safety standards
 - Gained strong hands-on experience in troubleshooting and system servicing

Education

- Thika technical training institute**
Refrigeration and air conditioning
Diploma Level 5

Skills

- Strong troubleshooting and fault diagnosis
- Technical reporting and documentation
- Time management and teamwork
- Safety compliance and risk awareness

Projects

- **Parallel rack system in Riyadh**
Led installation, copper pipe sizing, brazing, and commissioning of multi-compressor refrigeration system
- **Victory Farms cold chain Kenya**
Installed 7 industrial freezers (-18°C) for large-scale cold storage operations
- **Quickmart supermarket project Kenya**
Participated in installation of centralized commercial chiller systems

Languages

- English

Certificate And Licenses

- Certificate in Refrigeration and air conditioning
- Valid driving license

Reference

- Available upon request