



Charles Mwangi Ranu

Electrician

CONTACT

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PORTFOLIO

GitHub:

<https://github.com/FrankMartin>

Dribble:

<https://dribbble.com/FrankMartin>

Facebook:

<https://facebook.com/FrankMartin>

SKILLS

- Electrical Wiring and Installation
- Circuit Design and Analysis
- Troubleshooting and Repair
- Motor Control Systems installing and maintenance
- Generator Installation and Maintenance
- Electrical Safety Compliance
- Energy-Efficient Systems
- Electrical Testing and Inspection

CAREER OBJECTIVE

A highly skilled and experienced Grade 2 Electrician with more than twenty years of working experience, expertise in the installation, maintenance, and repair of electrical systems across residential, commercial, and industrial sectors. Adept at troubleshooting complex electrical issues, ensuring safety compliance, and delivering high-quality solutions. Seeking to leverage extensive knowledge of electrical systems and strong problem-solving abilities to contribute to a dynamic team and successfully complete challenging projects while upholding the highest standards of safety and efficiency.

MY EDUCATION

Grade Two In Refrigeration Kiambu Institute Of Science and Technology

Feb,2006 - Feb,2008

Grade Two In Electrical Engineering

**Comboni Polytechnic
Gilgil**

Sep,2002 - Nov,2004

Kenya Certificate of Secondary Education

DN Handa Secondary School

Jan,1997 - Nov,2000

Kenya Certificate of Primary Education

DEB Primary School

Jan,1989 - Nov,1996

WORK EXPERIENCE

Electrician

European Guarding Security Services in Doha Qatar

Feb, 2020 - Present

Regular System Inspections: Regularly check the security systems, including alarms, surveillance cameras, motion detectors, access control systems, and other related devices, to ensure they are functioning properly in offices, accommodations and plants.

Wiring and Cable Inspections: Examine the integrity of all electrical wiring and cables for damage, wear, or tampering. Ensure that connections are secure, insulated, and free from short circuits or

• Blueprint and Schematic Interpretation

- Problem-Solving
- Communication
- Teamwork
- Time Management
- Continuous Learning
- Project Management

LANGUAGES

- English
- Kiswahili

INTERESTS

- Football
- Gardening
- Listening to music
- Adventuring
- Reading and doing research
- Making friends

REFERENCES

Ibrahim Karanja

Managing Director of Penibra
Electrical Contractors.
+254 20220286

Jude Jomo

Managing Director of
Kalolwanga Electrical
Contractors
+254 722516334

other hazards.

Install, maintain, and repair electrical components for security systems, including CCTV, access control, alarm systems, and perimeter security equipment.

Conduct regular inspections, ensuring the proper functioning of all electrical components related to security systems.

Troubleshoot and resolve issues with wiring, power supply, and electrical faults in security devices.

Collaborate with security teams to identify areas for system improvements or upgrades.

Document and maintain maintenance records, providing detailed reports of inspections and repairs.

Provide emergency support for security system malfunctions and resolve issues in a timely manner.

Ensure compliance with relevant electrical safety standards and regulations during all tasks.

Electrician

Alpha Logistics Enterprise in Mogadishu

Feb,2016 - Jan,2020

Perform scheduled and emergency maintenance on a variety of generators, ensuring they are in optimal working condition for backup power supply.

Conduct electrical inspections and tests on air conditioning units (window and split) to troubleshoot faults such as electrical wiring issues or compressor malfunctions.

Install and maintain power supply systems, including wiring, circuit breakers, and distribution panels, ensuring safe and effective power distribution.

Diagnose and repair electrical faults in power supply systems, ensuring minimal downtime and efficient operations.

Installed electrical wiring and outlets in commercial and residential buildings, ensuring proper circuit design and load distribution.

Maintained and repaired electrical components of HVAC systems, including troubleshooting and servicing electrical parts of air conditioners and heating units.

Provided preventive maintenance on backup generators, testing load performance and verifying operational integrity to minimize failures during power outages.

Electrician
Arabian Mep Contracting LLC Doha Qatar

Mar,2013 - Feb,2016

Performed electrical installations, including wiring, circuits, outlets, and power distribution systems in commercial areas of Tower Mall. Conducted regular repair and maintenance of backup generators, ensuring continuous operation during power outages or scheduled maintenance.

Troubleshooted and repaired electrical faults, including issues with generators, circuit breakers, and electrical wiring.

Provided temporary electrical supply solutions during mall construction, expansion, or power interruptions, ensuring minimal disruption to operations.

Ensured compliance with local electrical codes and mall safety standards, performing safety checks and testing equipment regularly.

Documented all maintenance work, repairs, and installations, keeping accurate records for future reference and audits.

Collaborated with mall management to ensure power systems operated efficiently, minimizing downtime for stores and services.

Installed and maintained electrical systems for residential and commercial properties, including wiring, outlets, and power distribution panels.

Conducted troubleshooting and repair of electrical faults in power supply systems.

Installed and maintained backup generators for both residential and commercial clients, providing emergency repair services when necessary.

Worked with teams to ensure all electrical installations complied with local electrical codes and safety regulations.

electrician
Kalolwanga Electrical Contractors in Nairobi Kenya

Feb,2010 - Jan,2013

Install prepaid electrical meters to monitor energy consumption for lighting systems in commercial and residential properties.

Wire and install lighting systems, ensuring proper connection to prepaid meters for accurate monitoring of power usage.

Collaborate with engineers and designers to ensure lighting systems are integrated seamlessly with metering solutions.

Conduct routine inspections of lighting systems and meters to ensure they are functioning correctly and within regulatory standards.

Installed electrical systems for lighting in residential and commercial buildings, ensuring proper wiring, placement of lights, and circuit configurations.

Assisted in the installation of electrical meters for accurate monitoring of energy usage.

Conducted repairs and troubleshooting for electrical faults in lighting circuits.

Performed maintenance checks on lighting systems to ensure longevity and energy efficiency.

Electrician

Power Plant Engineering Contractors in Nairobi Kenya

Jan, 2009 - Dec, 2009

Serviced and repaired industrial generators, ensuring the proper functioning of power systems in manufacturing plants.

Installed electrical wiring and panels for new constructions and renovations, ensuring the safe and efficient distribution of power.

Conducted motor installations and troubleshooting for machinery in both industrial and commercial environments. **Internee**

Penibrah Electrical Contractors Naivasha Kenya

Dec,2002 - Sep,2004

Assisted senior electricians in the installation of three-phase and single-phase wiring systems for new and renovated buildings.

Gained hands-on experience in wiring outlets, light fixtures, and power panels for both residential and commercial projects.

Participated in troubleshooting and repairing electrical accessories, including faulty switches, outlets, and light fixtures.

Performed electrical tests using tools like multimeters and insulation testers to ensure the safety and functionality of circuits.

Helped maintain a clean and organized work environment, following safety guidelines and ensuring tools were properly maintained.

Collaborated with team members to complete electrical installations within scheduled timelines, ensuring the proper functioning of systems.

PROJECTS

Electrician

Performed Commercial Building Electrical Wiring Installation

Electrician

Carried out Generator Installation and Maintenance

Industrial Electrician

Three-Phase Electrical Wiring for Industrial Machinery

Electrician

Participated in Lighting System Upgrade in a Commercial Complex.

Electrician

Carried out Electrical System Overhaul for a Retail Store

Electrician

Carried out Motor Control Panel Installation

CERTIFICATIONS

Certified Electrician

Kiambu Institute Of Science and Technology

2008

Certified Refrigeration Technician

Comboni Polytechnic Gilgil

2004

ACHIEVEMENTS

Employee of Year

This was the awarded to me from Future Hub Technologies on completion of my 10 major projects successfully.