

Nembudane Khuliso Melvin

ADSL Technician | ICT Networking Installation & Maintenance | Electrician | PV GreenCard

Contact: +27829509670 | **Email:** khuliso.08@icloud.com / khulisomelvinnembudani@gmail.com | **Address:** 305 Wellington Road, Lombardy East, Johannesburg, 2090 | **Date of Birth:** 1991-11-17 | **Gender:** Male | **Ethnic Group:** African | **Drivers Licence:** C1(10) | **Languages:** Tshivenda, English and Sepedi

Skills:

- Organizational and management skills | Good Communication Skills
- Flexible: Willing to try new things and I am interested in improving efficiency on assigned tasks
- Technically minded | Detail Orientated | Team Player | Problem Solver
- Responsible and Reliable | Good With Hands
- Ability to Work Under Pressure | Able to multiTask
- Flexible, Committed and Willing to Learn **Education:**

- Electrical Trade Test, Engineering Skills Development, 2018
- SAPIA/PV Greencard, NEPOWORX
- N3-N6 in Electrical Engineering, Vhembe FET College, 2014 (Electrotechnics N4-N6, Electrotechnology N3, Engineering Science N3, Fault Finding N4-N6, Mathematics N3-N6, Industrial Electronics N3-N6)
- Matric, Vhulaudzi Secondary School, 2014 (Tshivenda 1st language, English 2nd language, Geography, Life Sciences, Physical science and Mathematics) **Trainings:**

Institution/ Company: Fibre to the Ground (PTY) Ltd

Course: Fibre Optic (FTTH)

Location: Krugersdrop

Work Experience:

1. Company: Renen Energy Solutions (Pty) Ltd

Position: PV Solar System Maintenance Technician

Period: January 2025- Currently working here

Key Responsibilities:

Strings

- Diagnose and repair string faults on solar plants.

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Use string testers to identify and communicate faults effectively.

- Utilize monitoring portals to detect and manually repair faulty strings.

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Replace string home runs and repair DC cable issues, including MC4 connectors.

Communications

- Conduct fault-finding on communications boards and equipment.

- Identify and resolve communication component failures.

- Monitor 3G sim card data availability.

- Assess inverter performance through online portals and identify issues. - Interpret inverter error codes and performance deviations.

Inverters

- Safely and efficiently work with multiple inverter brands (SMA, Huawei, etc.).

- Update inverter firmware and download event logs.

- Use manufacturer software and interfaces for troubleshooting.

- Log inverter faults, engage with manufacturer support teams, and manage case resolutions.
- Physically replace faulty inverters and coordinate with manufacturers.

General Maintenance

- Conduct two visual inspections per site annually.
- Replace damaged solar panels and troubleshoot electrical issues.
- Replace breakers, AC cables, and electrical components safely.
- Optimize solar plant performance by diagnosing and resolving issues.
- Manage and maintain the O&M vehicle, including fueling and servicing. - Work with control systems and relays for breaker operations during load shedding.

2.Company: Prosep Synergy

Position: Electrician (Solar/PV)

Period: March 2023- February 2024

Key Responsibilities:

- Install solar photovoltaic (PV) systems according to design specifications, applicable codes, and safety standards
- Conduct site assessments to evaluate the feasibility of solar installations, including assessing roof conditions shading analysis, and electrical system compatibility
- Perform electrical wiring and interconnection of solar panels, inverters, and other system components
- Conduct troubleshooting and repair work on solar energy systems, including identifying and resolving issues related to wiring, connections, and equipment malfunctions
- Collaborate with project teams to ensure timely completion of installations, while adhering to project schedules and quality standards
- Conduct system performance testing and commissioning ensuring optimal functionality and efficiency
- Maintain accurate records of installations, inspections, maintenance, and repairs
- Adhere to all safety protocols and regulations during installations and maintenance activities
- Stay updated on the latest industry trends, technology advancements, and best practices in solar energy systems

3.Company: Traction Battery Services

Position: Electrician

Period: January 2021- December 2022

Key Responsibilities:

Lithium-ion battery project for Vodacom towers

- Check if all alarms are working in the base station
- Report all finding on the base station
- Install the lithium-ion batteries between 2 to 6
- Apply epoxy compound anti-theft
- Program the rectifier to accept the number of batteries installed
- Make sure base station is taking load when there is power outage
- Installation of IP cameras
- Program the cameras so national security can see it

- Safety compliance- ensuring compliance with all safety regulations and guidelines related to battery storage, handling, and disposal
- Lock up, reactivate alarm system

4. Company: Ikeja Wireless (PTY) Ltd

Position: Field Team Technician

Period: January 2020- December 2020

Key Responsibilities:

- Install new products (5G/ 4G indoor and outdoor routers), and test them to ensure they are working correctly.
- Educating the client on how to use and maintain their device.
- Perform maintenance and provide customer support.
- Diagnose problems and come up with solutions to fix them.

5. Company: Huawei (On Time Telecommunications)

Position: Voice/ Data Technician

Period: January 2018 to December 2019(Contract Completed)

Duties:

- Study customer orders and specifications to properly plan network installations
- Order and gather equipment, materials, tools and supplies
- Prepare an installation diagram for each customer
- Run, pull, splice and terminate cables as necessary to establish both voice and data networks for customers
- Install necessary telecommunications networks
- Verify service is properly working by testing circuits, alarms and equipment
- Document network by properly routing and labeling both equipment and cables
- Follow codes, legal regulations and standards to maintain a safe work environment
- Stay up-to-date on technical knowledge through continued education, workshops, journals and talking with peers
- Collaborate with others in the telecommunications department to give customers best service

6. Company: Telkom SA Soc

Position: ICT Installation and fault Maintenance

Period: January 2016 To December 2017 (Internship completed)

Duties:

- FTTH, ADSL and ISDN Installation and maintenance of fixed and wireless telecommunications technologies,

- Commissioning and configuring of data routing systems
- MDF and SDC work procedures
- Overhead and underground distribution
- Indoor and outdoor cabling/wiring
- Safety and Regulations

7. Company: Munei Electrical and Electric Services

Position: Electrician Assistant (Engineering Department)

Period: March 2013 – December 2015

Duties:

- Assist the Electrician in terminating and jointing of cables
- Digging trenches for laying of cables
- Assist the Electrician to do domestic and commercial installations according to SANS standard
- Assist the Electrician with routine preventive maintenance and emergency repair work
- Assist wireman to do wiring from electrical schematic drawing
- Assembling work using drill machine, hack saw, hand files, crimping tool and pop rivet gun
- Assist the Electrician to identify various types of Electrical components and their Electrical symbols as indicated in the schematic diagrams, make labels and fit to components
- Installation of conduits, plugs, lights, switches and wire a complete Distribution Boards and Kiosks according to SANS standard

References

1. Mr. J Zwane (Technician), Openserve, Tel (082) 829-5837

2. Mr. T Ramela (Supervisor), Huawei (On Time Telecommunications), Tel (081) 401-0168

3. Mr. M Van Rooye (project manager), Ikeja, Tel (081)427-0812

4. Mrs. N Nolo (Project Manager), Traction Battery, Tel (061)070-8982

Disclaimer: I, the undersigned, certify that to the best of my knowledge and belief, the information contained in this document correctly describes me, my qualification and my experience.