




# KELVIN MUCHEMBE NGANDU

## CONTACT

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 0729717802

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## PROFILE

An exceptionally driven and technically skilled Electrical and Electronic Engineering graduate with a robust academic foundation complemented by substantial practical experience gained through multiple industry attachments. Proficient in power systems analysis, control & instrumentation systems, telecommunications networks, and electrical machine operations. Committed to fostering innovative solutions, nurturing collaborative teamwork, and advancing continuous professional growth within the engineering field.

A quick learner with a strong aptitude for problem-solving, coupled with excellent attention to detail and time management skills. Adept at adapting to new environments and technologies, making me a valuable asset in dynamic engineering settings. Possessing a deep passion for the industry and a drive to stay updated with emerging trends and best practices.

Seeking an opportunity to leverage my comprehensive technical knowledge, hands-on expertise, and unwavering dedication to contribute to a progressive organization's success

## SKILLS

- Power System Analysis and Simulation
- Circuit design and Troubleshooting
- Attention to detail
- Teamwork and Collaboration
- Goal-oriented Mindset
- Problem solving
- Creativity and innovation

## REFERENCE

- **Reagan Oloka - Regional engineer**  
Kenya Electricity Transmission Company Limited  
roloka@ketraco.co.ke  
0727413480
- **Joseph Ngigi - Supervisor**  
Blue Nile Rolling Mills Limited  
ngigijoseph07@gmail.com  
0715169770

## LANGUAGE

- ✓ English
- ✓ Swahili

## EXPERIENCE

### Blue Nile Rolling Mills Limited

Electrical attache

January 2023 - March 2023

- Performed motor repair, troubleshooting, and starting techniques.
- Gained insights into automation, process optimization, and instrumentation & control systems.
- Collaborated closely with other departments such as mechanical engineering and production in order to understand their requirements related to electrical system performance.
- Participated in scheduled repairs, replacements, and upgrades of existing electrical systems such as machines, motors, panels, compressors, and industrial heaters as needed.
- Reviewed blueprints and drawings prior to any installation or modification work being performed.
- Managed inventory of spare parts, tools, and test equipment used by the maintenance team.
- Assisted in the installation of new production lines or equipment per engineering specifications.
- Performed preventative maintenance and routine inspections on electrical systems, equipment and components to reduce downtime.
- Troubleshoot and repaired various types of electrical control systems including PLCs, AC and DC drives and motor controls.

### Kenya Electricity Transmission Company Limited

Substation attachee

January 2022 - April 2022

- Inspected substation DC circuitry and HMI/SCADA systems.
- Exposed to complex project planning, infrastructure safety, and reliability management.
- Performed installation, maintenance and repair of electrical equipment in substations.
- Conducted tests to ensure proper operation of substation equipment including transformers, circuit breakers, voltage regulators and switchgear.
- Collaborated effectively with team members on complex projects requiring multiple disciplines.
- Prepared and maintained records detailed tests, repairs, and maintenance.
- Participated in the testing and commissioning of high voltage substations, ensuring compliance with safety standards and regulations.
- Configured communication systems used in substations such as fiber optic cables, radio links and SCADA networks.
- Provided technical support for the design of new installations or modifications of existing facilities.

### Technical University of Mombasa

Attachee

January 2021 - April 2021

- Electrical Installation and Wiring Practices
- Instrumentation and Control Systems Configuration
- Embedded Systems Programming and Interfacing
- High Voltage Equipment Testing and Maintenance
- Motor Starting Techniques and Control Circuits
- Power System Analysis and Simulation
- Electrical Circuit Design and Troubleshooting
- Familiarity with Industrial Automation Processes
- Telecommunications Network Configuration and Testing

## EDUCATION

### Technical University of Mombasa

Bachelor of science in Electrical and Electronic Engineering

Sep 2018 - Dec 2023

## VOLUNTEER EXPERIENCE

### Census Enumerator August 2019

- Maintained a high level of confidentiality regarding personal information gathered during enumeration activities.
- Demonstrated strong communication skills while interacting with diverse populations, explaining the purpose of the census and answering questions.
- Managed multiple projects simultaneously while meeting strict timeframes for completion.
- Maintained a professional demeanor throughout the interviewing process, regardless of circumstances or applicant behavior.
- Successfully navigated challenging situations by employing problem solving techniques that minimized conflicts and maximized participation rates.