

Markarios Oketch

✉ markariosoketch@gmail.com ☎ +254712886370

🌐 [linkedin.com/in/markarios-oketch-177506179](https://www.linkedin.com/in/markarios-oketch-177506179)

PROFILE

Dynamic Electrical Engineer with 4 years of experience in designing and developing electrical systems for residential and commercial projects. Skilled in creating comprehensive electrical schematics using AutoCAD and specifying components to reduce procurement costs. Adept at coordinating with multidisciplinary teams to ensure compliance with electrical codes and safety standards. Possess strong skills in electrical installations, circuit design, and regulatory compliance. A forward-thinking professional with a strong foundation in electrical and electronics engineering, seeking opportunities to contribute to impactful projects.

SKILLS

Circuit Design & Simulation, Electrical Systems Development, MATLAB & AutoCAD, Electrical Diagnosis, Electrical Installation, Electronics design

PROFESSIONAL EXPERIENCE

Vokeh Contractors and developers, Electrical Engineer Mar 2024 – Nov 2024 | Nairobi, Kenya

- Designed and developed electrical systems for residential and commercial projects, improving energy efficiency by 15%.
- Created comprehensive electrical schematics and diagrams using AutoCAD, enhancing project accuracy by 20%.
- Specified and selected components such as transformers, switchgear, and circuit breakers, reducing procurement costs by 10%.
- Coordinated with multidisciplinary teams, achieving 100% compliance with electrical codes and safety standards.
- Managed project documentation and reporting, ensuring all projects met technical specifications and deadlines.

Turaco Kenya, Operations Associate

Jan 2022 – Feb 2024 | Nairobi, Kenya

- Supervised and trained interns on office policies, improving operational efficiency by 10%.
- Managed external stakeholder relationships, enhancing client satisfaction by 15%.
- Led a successful data cleanup project, ensuring data accuracy for risk assessment and claims processing, reducing operational errors by 20%.

Gilfield Contractors Kenya, Electrical Engineer

Mar 2021 – Nov 2021 | Nairobi, Kenya

- Assisted senior engineers in interpreting blueprints and technical drawings, contributing to a 10% reduction in project delays.
- Participated in the smart meters installation project, reducing theft by 8% through efficient stock management.

- Monitored electrical installations, identifying and resolving issues in real-time, improving system reliability by 15%.

EDUCATION

Jomo Kenyatta University of Agriculture and Technology (JKUAT), <i>Bachelor of Science in Electrical and Electronics Engineering</i>	2015 – 2021
St Mary's School, Yala, <i>Kenya Certificate of Secondary Education</i>	2011 – 2014

PROJECTS

Automated Smart Parking System for Entry Control

Designed and implemented a machine-learning-based smart parking system using Python for number plate recognition.

Developed a SQL database and integrated Safaricom Daraja API for automated payments, reducing entry processing time by 25%.

COURSES

AWS Cloud Practitioner, <i>W3Schools</i>	present
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REFERENCES

Patrick Kihuria, *Operations Manager, Turaco Kenya*
+254722842853

Kevin Moranga, *Managing Director, Vokeh Contractors and Developers*
+254717059705