George Mageto Mose

Email: magetogeorge60@gmail.com | Phone: 0724225552 | Location: Nairobi | LinkedIn: Link

Professional Summary

Curious and highly motivated Electrical Engineer with a successful track record of founding and managing technology businesses, with a strong focus on Electricals and electronics, especially power flow and load sustainability. Demonstrated ability to optimize electrical system performance, lead technical teams, and drive business growth. Extensive experience in power system analysis, electrical circuit design, and delivery of exceptional customer-centric technical support. Seeking to apply specialized expertise in power engineering and strategic business acumen to contribute to the advancement of cutting-edge power solutions.

Professional Experience

Manager | GM Business Services | 2024 – 2025

- Managed electrical installation projects for multi-storey buildings, including device servicing, ensuring adherence to safety regulations and project timelines, contributing to a 25% improvement in project efficiency.
- Directed the design and implementation of power distribution systems for storey buildings, and managed servicing of related electrical devices, resulting in a 20% increase in power reliability.
- Oversaw the procurement and installation of electrical equipment for multi-level structures, including on-site device servicing, maintaining a 95% client satisfaction rate.
- Streamlined electrical installation processes for storey buildings, including device servicing and troubleshooting, reducing average project completion time by 30%.
- Implemented advanced electrical system diagnostics and power optimization strategies for multi-story buildings, incorporating device servicing and maintenance, enhancing energy efficiency and reducing operational costs.:

Graduate Assistant | Dedan Kimathi University of Technology | 2022-2024

- Assisted in lecturing and mentored undergraduate students in Electrical and Electronic Engineering courses.
- Delivered lectures in: Power Systems Analysis, Electrical Machines and Drives, High Voltage Engineering, Renewable Energy Systems, and Control Systems Engineering.
- Conducted research and contributed to departmental academic projects.
- Provided technical support during laboratory sessions, guiding students in practical applications of electrical engineering concepts.
- Supervised and guided students in power system simulation projects, including load flow analysis, fault analysis, and stability studies using MATLAB/Simulink and ETAP.
- Led research initiatives on renewable energy integration into power grids, with a focus on solar and wind power systems.

- Conducted studies on smart grid technologies and their impact on power system efficiency.
- Performed independent research on:
    - ❖ Optimization of distributed generation in power systems to enhance grid reliability and efficiency.
    - ❖ Simulation and modeling of microgrid systems for rural electrification using MATLAB/Simulink.

Education

- **Master's Degree in Telecommunication Engineering** |Dedan Kimathi University | 2022-2025
- **Bachelor's Degree in Electrical & Electronic Engineering** |Dedan Kimathi University | 2016-2021

Skills and Expertise

- **Technical Skills**
    - ❖ Network Design (Wireless, Fiber Optic, LAN/WAN)
    - ❖ RF Planning and Optimization
    - ❖ Power Systems Analysis (ETAP, MATLAB)
    - ❖ Electrical Circuit Design & Troubleshooting (AutoCAD)
    - ❖ Cisco Router and Switch Configuration
    - ❖ Electronic Device Repair
- **Business Skills**
    - ❖ Business Development & Strategy
    - ❖ Project Management
    - ❖ Customer Relationship Management
    - ❖ Team Leadership and Training
- **Soft Skills**
    - ❖ Problem-Solving & Critical Thinking
    - ❖ Communication & Interpersonal Skills
    - ❖ Customer Service & Technical Support

Projects and Achievements

- Successfully launched and expanded GM Business Services, specializing in electrical solutions, resulting in significant revenue growth and a broadened client base.
- Led the design and implementation of advanced power distribution systems for industrial clients, resulting in a 20% improvement in operational efficiency.
- Implemented a remote monitoring and diagnostic system for industrial power systems, reducing downtime and improving overall system reliability.

Languages

- English (Fluent)
- Swahili (Fluent)

References

- Available upon request.