

CHUMBA KIPLIMO REUBEN

P. O. BOX 4373, ELDORET - KENYA

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PROFESSIONAL SUMMARY

Visionary Electrical Engineer and Project Leader with expertise in electrical design and implementation, stakeholder engagement, strategic project implementation and innovation in sustainable energy solutions. Passionate about leveraging cutting-edge technologies, data-driven decision-making and stakeholder engagement to drive energy access and innovation

Adept at leading multidisciplinary teams, optimizing energy infrastructure, conducting feasibility studies, technology transfer, policy development and data-driven decision-making for energy projects ensuring compliance with national energy policies. With a strong leadership, problem-solving and project management skills I am passionate and committed on advancing clean energy adoption and sustainable development for rural electrification and energy access.

CORE COMPETENCIES

- **Renewable Energy Systems:** Expertise in solar PV systems (T1, T2, and T3 certifications), grid-tie systems and renewable energy project management.
- **Technical Proficiency:** Skilled in design, construction and supervision of Grid extension, Rural electrification, fiber optics, SDWAN and network troubleshooting.
- **Project Management:** Strong planning, resource management, stakeholder management Contract management and reporting skills.
- **Leadership & Teamwork:** Excellent leadership, communication and collaboration skills.
- **Compliance & Safety:** In-depth knowledge of industry standards, health, safety and environmental regulations.
- **Computer Applications:** Proficient in Microsoft Office, project management tools and technical software.
- Stakeholder Engagement & Policy Development.
- Energy Data Collection, Analytics & Reporting.
- Community Training & Public Awareness.
- Problem Solving and Creativity.
- Adaptability and Flexibility.

PROFESSIONAL EXPERIENCE

RURAL ELECTRIFICATION & RENEWABLE ENERGY CORPORATION (RREC)

Design Technician | March 2022 – Present

- Spearhead grid extension project designs, ensuring compliance with RREC standards and sustainability goals expanding grid access to underserved communities.
- Conduct energy research, site assessments and feasibility studies to identify sustainable solutions for rural electrification and optimizing energy distribution.
- Engage stakeholders in project planning, public awareness campaigns.
- Provide technical designs, project reports and costing to rural electrification projects ensuring compliance and conformity to RREC standards sustainability goals.
- Oversee energy data collection, analysis and reporting to support decision-making and project planning.
- Drive innovation and technology transfer in energy applications.

Additional Responsibilities (From 2024 - Present):

- Supervising construction teams to ensure compliance with industry standards and timely project completion.
- Monitoring construction contracts, ensuring compliance with standards and timelines.
- Prepare Purchase Requisitions (PR) for designed projects and maintain accurate project records.
- Coordinate construction supervision for grid projects, ensuring quality and timely delivery.
- Provide technical leadership on distribution line construction.
- Engage stakeholders in project implementation, public awareness campaigns and wayleave acquisition

BARAN TELECOM NETWORKS

Field Engineer | Jan 2021 – Oct 2021

- Engineered telecom energy solutions, integrating IoT and AI for optimized power distribution.
 - Installed & configured renewable energy monitoring systems, enhancing grid efficiency.
 - Performed site surveys & energy audits for telecom infrastructure projects.
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EDUCATION & CERTIFICATIONS

- 🎓 **Bachelor's Degree in Electrical & Telecommunications Engineering** – Multimedia University of Kenya (2023).
- 🎓 **Supervisory Skills Development Course** – Kenya School of Government (2025).
- 🎓 **T3 Grid Tie Solar PV Certification** – Multimedia University of Kenya (2020).
- 🎓 **T1 & T2 Solar PV Certification** – Multimedia University of Kenya (2020).
- 🎓 **Computer Operation**- Temple College (2014).

PROJECT HIGHLIGHTS & ACHIEVEMENTS

- **Electrification of Remote Communities** – Designed off-grid solar installations (KOSAP) and grid extensions, boosting energy access to Rural Kenya.
- **National Grid Infrastructure Expansion** – Supervised and provided technical leadership to grid extension construction projects.
- **County Energy Data Collection** - Developed Samburu county database of non-electrified Public facilities for project planning and implementation
- **Community Training & Awareness Programs** – Spearheaded community sensitization programs to promote energy adoption, sustainability and wayleave acquisition.

HOBBIES & INTERESTS

- Clean Energy Innovation, Sustainability & Policy Research.
- Public Speaking & Community Engagement.
- Exploring Energy Trends & Technologies.
- Outdoor Exploration & Team Building.
- Traveling.

REFEREES

1. **Eng. Gideon Gitonga** – Regional Manager, Central Rift, RREC.
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2. **Eng. Terry L. Chepkania** – Manager, Design, RREC.
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3. **Sidney Oduor** – Senior Engineer Construction, Central Rift, RREC.
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