**PASCAL OCHIENG OROT**

Kenya | (+254) 740-964689 | pascalochieng838@gmail.com

# PROFESSIONAL SUMMARY

Aspiring Telecommunication Engineer with hands-on experience in electrical systems, networking, and ICT support. Proven ability to lead technical installations, manage cyber services, and collaborate in cross-functional engineering teams. Strong foundation in IoT and machine learning applications. Eager to contribute to innovative tech-driven environments

**WORK EXPERIENCE**

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| **Calmape Engineering Ltd- Nakuru** | **Jan 2025– To Date** |

**Internship**

* Actively involved in business development, including tender documentation and bid preparation.
* Managed front office operations, including welcoming visitors, handling inquiries, managing correspondence, and organizing office records.
* Provided ICT support by troubleshooting hardware and software issues, performing basic maintenance in the ICT department, and managing wireless Safaricom fiber Wi-Fi.
* Coordinated with Safaricom's technical team to resolve network issues.
* Led cybersecurity initiatives by implementing security measures, monitoring system vulnerabilities, and ensuring data protection protocols were adhered to in Calmape Engineering Ltd.
* Joined the technical team for engineering projects, including electrical installation, CCTV installation, and generator maintenance.
* Participated in site visits, tender submission, and tender opening on behalf of Calmape Engineering Ltd.

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| **DeKUT Catholic Chaplaincy Media Center** | **Sep 2023 – Jan 2025** |

**Cyber Services Volunteer**

* Set up and maintained **network infrastructure** and ensured connectivity across chaplaincy computers.
* Actively managed operations of the chaplaincy’s **cyber center** during free hours outside academic commitments
* Delivered essential services including **printing**, **scanning**, **photocopying**, and **document editing**.
* Assisted students with **online services** such as **KRA PIN applications**, **tax returns**, **HELB applications**, and **government portal registrations**.
* Troubleshot hardware and software issues to maintain smooth daily operations.
* Provided basic digital literacy support to fellow students unfamiliar with online forms and submissions.
* Operated in a **completely voluntary capacity**, supporting over **900+ students** throughout the academic year.

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| **Savotech Venture-Bondo** | **May2023– August 2023** |

**External Attachment**

* Actively participated in the installation, repair, and maintenance of:
* CCTV systems
* Electrical systems
* Wi-Fi networks
* Solar systems
* Generators
* Alarm security systems
* Gained hands-on experience in troubleshooting and maintaining these systems to ensure efficiency and security.
* Time management and working extra hours in technical projects

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| **Dadan Kimathi University of Technology -Nyeri** | **May 2022 – August 2022** |

**Internal Attachment**

* Computer networking & troubleshooting
* Practical application of electrical machines (motors & transformers)
* Hands-on experience with engineering software (MATLAB, ArchiCAD)
* Arduino microcontroller applications
* PCB layout and design fundamentals

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| **Siger Mixed Secondary School – Kenya** | **Jan 2020 – Mar 2020** |

**Volunteer Tutor & Sports Assistant**

* Volunteered to support students with remedial revision before COVID-19 school closures.
* Conducted practical science sessions in **Physics**, **Chemistry**, and **Biology**, strengthening lab skills.
* Provided targeted tutoring in **Mathematics** and **Science** subjects upon students request on different topics.
* Assisted teachers by simplifying complex concepts and supporting classroom instruction.
* Oversaw and coached students in field events, including **hammer throw**, **shot put**, and **discus**, contributing to improved performance in school athletics.
* Promoted teamwork, discipline, and physical fitness through regular training sessions and sports mentorship.

**EDUCATION**

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| Bachelor of Science in Telecommunication and Information Engineering, Dedan Kimathi University of Technology | Second upper 2020 – 2025 |
| Kenya Certificate of Secondary Education, Siger Mixed Secondary School | B(Plain) 2016 – 2019 |
| Kenya Certificate of Primary Education, Siger Primary School | 308 2007-2015 |

**SKILLS**

**TECHNICAL:**

* Computer-Networking (LAN/WAN setup
* Wi-Fi networks)
* Generator Installation Solar installation)
* Electrical Installation & Maintenance

* CCTV installation
* MATLAB

**SOFT SKILLS:**

* Time Management
* Teamwork & Collaboration
* Technical Documentation
* Problem Solving

**PROJECTS**

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| **IoT-Based Cattle Health Monitoring System** | Final year project 2024(May-December) |

- Designed and deployed ESP32-based nodes with acceleration and temperature sensors – Implemented machine learning for real-time anomaly detection – Developed a gateway for sensor data collection and analysis

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| **Comprehensive Security & Power Solutions Deployment at Savotech Venture – Savotech Venture** | 2023 |

- Led the installation, maintenance, and troubleshooting of integrated security and power solutions, including CCTV, alarm systems, and solar power setups. – Conducted generator installation and maintenance to guarantee an uninterrupted power supply.

**Interests**

* Hiking & Mountain Climbing
* Cycling
* Researching-Emerging Technologies
* Traveling & Networking with Professionals

# REFEREES

**Dr. Joseph Muguro (PhD)**

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# Mr. Geoffry Mula-

Project Manager Calmape Engineering Ltd

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# Mr Benard Asewe

Director Savotech Venture Bondo

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