

ELMUS ISMAEL WANGUDI

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EDUCATION

Jomo Kenyatta University of Agriculture and Technology (JKUAT) 62000 - 00200 NAIROBI, KENYA

Bsc. Telecommunications and Information Engineering 09/2020 – 06/2025(Anticipating Graduation)

- Telecommunications/Solar Systems Design & Analysis
- Web Development (Backend – Django, laravel)
- Scripting & Automation, Cybersecurity
- ML & Datascience

Chianda High School

14, Rageng'ni 40604 | Siaya County

Mean Grade: 79, A- (MINUS)

2016 - 2019

Cisco Networking Academy

CISCO NetAcademy

Introduction to Cybersecurity

March – June, 2022

SKILLS

- | | | |
|--|---|--------------------------------|
| • Telecoms Transport: | Fiber Optic, Computer Networks, LAN, Routing and Networking Protocols | Technicality: Expert |
| • Solar System Design & Installation: | Industrial Grade, Homestead and Businesses, Electrical Installation | Technicality: Expert |
| • Scripting & Automation: | Python, Bash Linux, Analytical and problem solving | Technicality: Expert |
| • Cybersecurity/PenTesting: | Burpsuite, hydra, whatweb custom python and shell scripts | Techincality: Mid-level |
| • Data Science: | Data Analysis, Data Normalization and Visualization, Python, Jupyter & ML | Technicality: Expert |
| • Communication: | Written and Oral Communication, Swahili, English | Proficiency: Expert |

WORK EXPERIENCE

INVATA ENGINEERING | Solar Energy & Systems Engineer

Juja, Kiambu | 01/24 – 12/24

- Conducted on-site engineering audits for 10+ proposed projects to support costing & estimations.
- Installed 20+ Domestic-use Solar systems and mini industrial-grade of up to 15kva.
- Maintained stability, integrity and efficient operation of information systems supporting organizational functions.
- Managed installation, upgrade and deployment of 20+ on-site projects.

TEXLAR SOLUTIONS | Network Engineer Intern

Juja, Kiambu | 06/24 – 08/24

- Provided network support and maintenance on 2 core-switches to resolve various WAN/LAN connectivity issues, enhancing communication efficiency while reducing downtime by an average of three hours per week.
- Installed and configured over 30+ routers, switches, and WAN devices achieving a 99.9% uptime rate, ensuring seamless communication for 300+ end users.
- Demonstrated strong analytical, troubleshooting and problem-solving skills.
- Demonstrated proficiency in Linux, virtual platforms and cloud connectivity.

LASER INFRASTRUCTURE & TECHNOLOGY SOLUTIONS (LITES) 28938-00200, Nairobi | 06/23 – 09/23

Telecommunications Engineer/Solar System Intern

- Prometheus - Monitoring System, ManageEngine, Software solutions - Python for Data Normalization and Visualization
- Worked closely with two network administrators and server engineers to deliver quality service.
- Monitored overall network performance, added 12 virtual servers (among them development & Production) to the organization's Network Monitoring tool (Prometheus).
- Determined Solar system capacity for most clients through calculations of their Energy requirements.

KENYA POWER | Network Engineer Attachee 30099-00100, Stima Plaza, Nairobi | 05/22 – 07/22

- Computer Networks, IP Telephony, VoIP, LAN Structured cabling and Fiber splicing, SCADA System.
- Developed strong organizational and communication skills through volunteer activities.
- Participated in team projects, demonstrating an ability to work collaboratively and effectively.

HOBBIES & INTERESTS

- **Football:** CR7 | Amad | Olunga | FIFA Gaming
- **Reading:** Ken Follet "*The Century Trilogy*," George Orwell "*1984*, *Animal Farm*," Machiavelli, e.t.c.,
- **Watching :** Peacock "*TDOTJ*," Netflix "*Altered Carbon*," HBO "*GOT*, *The Sopranos*", Documentaries
- **Swimming**

LANGUAGES

Swahili: Proficiency 100%

English: Proficiency 90%

SUMMARY

I am dependable, attentive to details and always on time with tasks. Clear communicator and easy collaborator always ready to assist where necessary. I bring with me able computer skills, System Design solutions and adaptability to various situations. I uphold refined work ethics and diligently dedicated to quality.

REFERENCES

Dr. Omae Oteri
COETEC, JKUAT
Chairman, TIE Department
0722805012
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Miss. Margaret Munywoki
Kenya Power, ICT Dept Supervisor
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Mr. Henry Manji
LITES
Systems Engineer
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