

PERSONAL INFORMATION

OMWANDO KEFAH JUMA

▼ P.O.BOX 30197 PHYSICS DEPARTMENT, UNIVERSITY OF NAIROBI, 00100
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PERSONAL STATEMENT

Confident in installing, monitoring system performance, troubleshooting and repairing Electronic Communications systems. I have leadership skills too. My goal is to drive to production increase while striving for business and personal growth.

WORK EXPERIENCE

05/05/2009–Present

UNIVERSITY OF NAIROBI, NAIROBI (KENYA)

Senior Technologist

- Providing specification for acquisition of hardware, lab consumables and networking components,
- Maintaining and repairing of all laboratory equipment and apparatus
- Maintain and administer computer networks and related computing environments including computer hardware, systems software, applications software, and all configurations.
- To liaise with academic staff to discuss timetables, equipment requirements and work plans
- To Pretest laboratory experiments where applicable
- Demonstration of the experiments to the students
- To prepare equipment and materials before laboratory sessions
- To prepare teaching and Research materials
- To contribute to high-level RESEARCH in the Electronics Group
- Undertaking relevant research, preparing and disseminating research papers and findings
- To work with individual students and support them on Research projects
- To coordinate work in the laboratory to ensure efficient use is made of expensive pieces of equipment
- To Manage stock control of materials and equipment in areas of responsibility
- To keep laboratory records
- Teaching Data communications- diploma students
- Performing any other duty as may be assigned from time to time by the Head of the Department

Gross Salary – Kshs 81702/=.

04/07/2004–30/03/2009

Senior Technician

TELKOM KENYA, NAIROBI (KENYA)

- Fault detection and diagnosis of land line Networks.
- Managing faults resulting from Network Switching Sub-system(NSS), interconnection PCMs, Trunks, Microwave, Satellite Links and Media gateways.
- Fault clearance and escalation to correct internal and external maintenance groups.
- Trouble-ticketing and correct entry into network status and fault reports.
- Prepare proper quality handovers with other team members especially on shift.
- Site acceptance, alarm testing and commissioning for new sites.
- Perform correct network configuration to resolve capacity and quality problems.
- Carry out preventive and curative maintenance for MDF and transmission networks.

(Access Networks)

- Coordinate installation, configuration, and maintenance of end user workstation hardware, software and peripheral devices.
- Diagnose and resolve performance, connectivity and related network problems, including hardware, software, user access, Landline phone system and wireless networks, internet service ADSL,CDMA .
- Maintain network software/hardware asset inventories, including related documentation and technical specifications of equipment and applications.
- Assist with planning, developing, installing, configuring, maintaining, supporting and optimizing all existing and new network hardware, software and communication links.

Gross Salary- Ksh 39000/=.

04/01/2003–26/06/2004 **COMPUTER INSTRUCTOR**

NYAMAIYA SEC SCHOOL, NYAMIRA (KENYA)

- (computer instructor / technician)
- teaching physics & Mathematics.

Gross Salary- Ksh 6000/=.

EDUCATION AND TRAINING

2019–2021

**M S C I N INFORMATION TECHNOLOGY MANAGEMENT (ITM)
THE UNIVERSITY OF NAIROBI**

{ICT Strategic Management, Financial Management, Principles and practice of management, ICT Project Management, ICT Procurement practice, Product design and Entrepreneurship, Research Methodology, Electronic Commerce, Cloud computing and IT outsourcing, Information Systems Security and Audit, Research Project}

04/09/2014–21/12/2017

Bachelor Of Technology in Communication and Computer Networks

2ND

CLASS HONOURS UPPER DIVISION

THE TECHNICAL UNIVERSITY OF KENYA, NAIROBI (KENYA)

| YEAR TWO OF STUDY SUBJECTS: | YEAR THREE OF STUDY SUBJECTS: | YEAR FOUR & FINAL SUBJECTS: |
|---|--|---|
| 1. Discrete Mathematics | 1. Entrepreneurship Education | 1. Environmental Management |
| 2. System Analysis & Design | 2. Linear Algebra | 2. Network Project Management |
| 3. Principles of Programming | 3. Data Communications II | 3. Internet Applications & Development |
| 4. Structured Programming | 4. Routing & Routing Protocols | 4. Distributed Systems & Client Server Networks |
| 5. Probability & Statistics | 5. Communication Systems II | 5. Database Administration |
| 6. Computer Network II | 6. Data Structures & Algorithms | 6. Multimedia Communications |
| 7. Health Education | 7. Object Oriented Analysis & Design | 7. Telecommunication Applications |
| 8. Computer Organization & Architecture | 8. Computer Graphics | 8. Computer Technology Project A |
| 9. Analogue Electronics | 9. Operating Systems Principles & Design | 9. Digital Wireless Communication |
| 10. Website Development & Internet Technology | 10. Research Methods | 10. Estimating, Tendering and Computer Services Contracts |
| 11. Advanced Visual Programming | 11. Numerical Methods | 11. ICT Emerging Technological Trends and Society |
| 12. Database Design & Programming | 12. Analogue Electronics II | 12. Professional, Legal & Ethical Issues in Computing and Communication |
| 13. Unix and Window Server Operating System | 13. Human Computer Interaction | 13. Information Systems Security & Audit |
| | 14. Object Oriented Programming II | 14. Computer Technology Project B |
| | 15. Mobile Computing & Wireless Networks | 15. Industrial Based Learning 3 (External Attachment) |
| | 16. Internet Architecture and Protocols | |
| | 17. Cryptography and Network Security | |
| | 18. LAN Design, Installation & | |

| | | |
|--|----------------------|--|
| | <i>Configuration</i> | |
|--|----------------------|--|

04/01/2000–18/11/2002

DIPLOMA IN ELECTRONICS ENGINEERING
RAILWAY TRAINING INSTITUTE- (RTI);
-(K.N.E.C DIPLOMA- CREDIT PASS).

SUBJECTS:

| STAGE 1 (PASS) SUBJECTS: | STAGE 2 (CREDIT) SUBJECTS: | STAGE 3 (CREDIT) SUBJECTS: |
|---|-----------------------------------|---|
| 1. Engineering Mathematics | 1. Engineering Mathematics | 1. Engineering Mathematics |
| 2. Social Studies & Communication skills | 2. Digital Electronics | 2. Control Systems |
| 3. Entrepreneurship | 3. Computer Applications | 3. Instrumentation Systems |
| 4. Technical Drawing | 4. Electronics | 4. Industrial Electronics |
| 5. Electronics | 5. Measurements & Fault Diagnosis | 5. Micro-processor Systems |
| 6. Workshop Technology & Practice | 6. Electrical Technology | 6. Trade Project |
| 7. Physical science & Mechanical Technology | 7. Business Plan | 7. Industrial Organization & Management |
| 8. Electrical Principles | | |

04/07/2004–26/08/2005
 CREDIT

TELKOM TECHNICIAN TRAINEE

KENYA COLLEGE OF COMMUNICATION AND TECHNOLOGY, NOW MMU, NAIROBI (KENYA)

| CUSTOMER PREMISES EQUIPMENT SUBJECTS: | LINE PLANT SUBJECTS: | TRANSMISSION SUBJECTS: | SWITCHING SUBJECTS: | POWER SUBJECTS: |
|---|---|--|--|---|
| <ul style="list-style-type: none"> ➤ Payphones ➤ PABXs & Facsimile machines. ➤ ISDN – BRA & PRA ➤ XDSL – ADSL ➤ Customer Care Plan ➤ Numbers – A, B, C, D, E1 – 4, F1 – 2, M1 – 8 | <ul style="list-style-type: none"> ➤ Fibre Optic Termination & Installation. ➤ Structured Cabling/Networking – Network Topologies ➤ Protection & Earthing ➤ Underground Cables ➤ Overhead Lines – Open Wires, PCM Cables, PVC& CASC. | <ul style="list-style-type: none"> ➤ PDH & SDH Networks ➤ GSM ➤ Data Communications – X-25, Packet Switching, Frame Relay, ATM ➤ Satellite Communications ➤ Receivers & Transmitters ➤ Antennas ➤ Wave Guides ➤ Multiplexing Equipments ➤ Practical Radio Equipments – AT & T, Telectron, Backbone Microwave System (BMS), Panafel Networks | <ul style="list-style-type: none"> ➤ Switching Networks ➤ <u>Analog Switching Systems</u> <ul style="list-style-type: none"> -Magneto Switching System -Central Battery Switching System -Strawger (Step By Step) Switch -Crossbar Switching System ➤ <u>Digital switching systems</u> <ul style="list-style-type: none"> -NEAX & UXD ➤ <u>Signaling:</u> <ul style="list-style-type: none"> -Channel Associated Signaling (CAS) – R2 MFC Signaling -Line Signaling -Link By Link Signaling -Common Channel Signaling Systems – CCSS – 7, <ul style="list-style-type: none"> ➤ Digital Switching – Pulse Code Modulation, Time Division Multiplexing. | Refrigeration & Air conditioning -Power protection |

4th – 29th sept.2006:- MMU/K.C.C.T – DIGITAL MICROWAVE RADIO PLANNING COURSE

30th Oct– 24th Nov.2006:- MMU/K.C.C.T- DATA COMMUNICATIONS COURSE

14th & 15th Oct.2009:- LINCOLN CONSULTING – LTD. - CERTIFICATE OF PERTICIPATION IN CUSTOMER SERVICE/CARE

4th & 5th Aug.2011:- University of Nairobi. - CERTIFICATE OF PERTICIPATION IN PHOTOVOLTAIC APPLICATIONS & INSTALLATION

PERSONAL SKILLS

Mother tongue(s) KISII

| Other language(s) | UNDERSTANDING | | SPEAKING | | WRITING |
|-------------------|---------------|---------|--------------------|-------------------|---------|
| | Listening | Reading | Spoken interaction | Spoken production | |
| English | C2 | C2 | C2 | C2 | |
| KISWAHILI | C2 | C2 | KCSE | C2 | C2 |
| | | | C2 | | |

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills ■ Skilled in communicating professionally with customers with sound problem solving skills
■ Familiar with project management, change management as well as risk management process

Organizational / managerial skills -Leadership skills (currently -2020-2021 chairman of the University of Nairobi Chuna Sacco and chairman of Physics welfare group at my work place comprising membership of 35 people)
-Possess excellent interpersonal skills in the areas of collaboration, team participation, creative problem-solving, conflict resolution, group planning, and decision-making processes

Job-related skills ■ Ability to conceptualize and convert ideas into solutions
■ Ability to plan, implement and formulate strategies by using or adapting tactics
■ Excellent analytical skills and keen attention to detail
■ In-depth knowledge of electrical/electronic/telecommunication equipment modules, technologies of electrical equipment, and Network planning, maintenance and optimization
■ Proficient in computer application i.e. Ms word, PowerPoint, Excel among others
■ Familiar with equipment development tools, electronic devices, power management and signal processing techniques

AMBITION: To work in a busy, dynamic and challenging environment under minimum supervision and rise through the ranks, while exercising my ability to fully utilize my skills and knowledge, giving me a chance to grow professionally.

HOBBIES:

Making friends

Reading spiritual books

Reading professional journals

Referees: ■

1. Professor Kennedy A. Kaduki
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2. Prof. Francis Wanjala Nyongesa, Ph.D (UoN)
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3. MR. BONFACE MUTHOKA,
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