

**SYLVIA NAMALWA AWORI**

Laboratory Analyst - Mechanical Engineering

Nationality: Kenyan

Address: P.O. BOX 15980 – 00100, Nairobi.

Email: [sylvianamalwa@gmail.com](mailto:sylvianamalwa@gmail.com)

Phone Number: 0731662671

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A Mechanical Engineering Analyst with a passion for innovation and energy management and with just over four years of professional experience within the job market. A good team player and communicator taking every opportunity presented as a chance to grow professionally. A results-driven individual welcoming every challenge as a chance to improve my creativity, analytical skills and problem-solving skills. Motivated by my own performance.

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#### **AREAS OF EXPERTISE**

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|-----------------------|----------------------------|------------------------|
| • Analytical analysis | • Time management          | • Business development |
| • Data analysis       | • Planning                 | • Credit management    |
| • Decision making     | • Communication skills     | • Competitive analysis |
| • Team work           | • Detail-oriented analysis | • Problem solving      |

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#### **PROFESSIONAL EXPERIENCE**

**Kenya Bureau of Standards (KEBS): Nairobi, Kenya**

**Laboratory Analyst - Mechanical Engineer (Current position)**

Perform physical measurements of commodities to check for quality. Operate, adjust and maintain scientific instruments. Apply, practice and promote principles of laboratory quality management system as per ISO/IEC 17025:2017 and efficient utilization of resources. Use scientific knowledge as basis to interpret, document and report test data. Apply laboratory practices according to established protocols, safety guidelines and existing legislations to ensure safe work practices. Verify data and ensuring that appropriate chemicals, reagents and equipment are procured as per technical specifications. Ensure safe custody and maintain integrity of test products. Review test methods for sustainability. Maintain equipment using manufacturer's instructions and standard operating procedures. Operate, and adjust laboratory equipment. Understand modes of operation, calibration requirements and theory of operation of testing equipment for the purpose of measurements.

#### **Achievements**

- Developed a system for weekly reporting by utilizing MS office tools.
- Helped identify discrepancies within standards and the relevant changes necessary.
- Developed the work instruction for coating thickness gauges.
- Participated in the diagnosis of the breakdown and maintenance recommendations for the tensile machines.

**Kenolkobil Ltd: Nairobi, Kenya**

- 1. General Sales Representative (Coast Province) - 4/2017 to 9/2017**
- 2. Retail Sales Representative (Nairobi Region) - 11/2016 to 4/2017**
- 3. Marketing Intern (Nairobi Region) – 6/2016 to 11/2016**

**General responsibilities**

Managing at least 15 stations and maximizing on sales volume against set monthly targets. Market intelligence management and competitive analysis. Management of credit in line with company policy and developing of new business. Keeping of accurate records and timely submission of reports.

**Other responsibilities - general sales representative**

Managing of retail, commercial and reseller customers in the entire coast province. Collaborating with the depots and distribution department in terms of loadings and supply to ensure timely and efficient delivery of all products: fuel, liquefied petroleum gas and lubricants

**Achievements**

- Was able to get the second highest selling station to a volume just above 550 cubes from 420 cubes, making it the best-selling station on several occasions. The station had never sold above 450 cubes.
- Was branded the best in record keeping, punctual in report submission (good time management) and presented well-structured and detailed report most of which were used as examples by the assistant marketing manager to the rest of the team on good standard reports.
- Was promoted to a general/regional sales representative in a period of less than a year due to good performance and good reports from the clients I dealt with.

**East African Foundry Works Group of Companies: Ruaraka (Nairobi), Kenya  
Mechanical Engineering Attachment – 5/2015 to 7/2015**

Trained through all the engineering departments; pattern shop, molding department, melting department, machine shop, quality control and fabrication; in three of the companies namely East African Foundry Works (K) Ltd, Alloy Steel Castings and Elite Trailers.

**Achievements**

- Was once entrusted by the chief engineer to handle one of the orders from a client.

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**ACADEMIC CERTIFICATES**

- Degree certificate (Bachelor of Science in Mechanical Engineering – second class honours upper division) – 2016  
University of Nairobi

- Certificate of Proficiency in computer packages (distinction) – 2010  
Paresh Computer Systems
- Kenya Certificate of Secondary Education (A-) – 2009  
Kenya High School
- Kenya Certificate of Primary Education (426 marks) – 2005  
Chandugunyi Primary School

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### PROJECTS

- Green energy innovation – personal project (still in progress)

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### TRAININGS

- Quality Management Systems (ISO 9001:2015) – 8/2019
- Information Security Management Systems (ISO/IEC 27001:2013) – 7/2020

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### WORKSHOPS ATTENDED

- Mechanical Engineering Workshop, University of Nairobi – 4/2014 to 6/2014
- East African Foundry Works (K) Ltd, Ruaraka – 5/2015 – 7/2015

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### PROFESSIONAL ORGANISATIONS

- Engineers Board of Kenya (EBK) – registered graduate engineer

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### EDUCATION

**Master of Science in Energy Management (University of Nairobi) – 9/2018 to date**

**Main courses**

Project management

Processes in energy management

Energy sources and concepts

Maintenance management

Energy and the environment

Research methods

Energy generation, transmission and economics

Engineering economic analysis

Electrical energy utilities

Refrigeration, heat pumps and air-conditioning

**BSc Mechanical and Manufacturing Engineering (University of Nairobi) – 9/2011 to 9/2016**  
**Graduated with Upper Second Class Honors**

**Main Courses**

Mechanical vibrations

Solid and structural engineering

Material science

Mechanics of machines

Fluid mechanics

Thermodynamics and heat transfer

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**LANGUAGES**

- Luhya - native
- Swahili - fluent
- English – professional working proficiency

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**INTERESTS**

- Innovation
- Community service
- Drawing

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**REFEREES**

**ACADEMIC REFEREES**

1. Dr. Thomas Ochuku Mbuya  
Chairman, Dept. of Mechanical and Manufacturing Engineering, University of Nairobi  
P.O. BOX 30197 – 00100 NAIROBI  
[tmbuya@gmail.com](mailto:tmbuya@gmail.com)  
0703133990
2. Prof. Gideon K. Misoi  
Associate professor, Dept. of Mech. and manufacturing Engineering, University of Nairobi  
P.O. BOX 30197 – 00100 NAIROBI  
[gkmisoi@gmail.com](mailto:gkmisoi@gmail.com)  
0722232591

**PROFESSIONAL REFEREES**

3. Ms. Virginia Muthini  
Assistant manager, Mechanical Laboratory: KEBS  
P.O. BOX 54974 – 00200, NAIROBI  
[muthiniv@kebs.org](mailto:muthiniv@kebs.org) ; [virginiamuthini2@gmail.com](mailto:virginiamuthini2@gmail.com)  
0720310362

4. Mr. Charles Mugambi  
Principal Analyst, Mechanical Laboratory: KEBS  
P.O. BOX 54974 – 00200, NAIROBI  
[mugambic@kebs.org](mailto:mugambic@kebs.org); [mmunesh2002@gmail.com](mailto:mmunesh2002@gmail.com)  
0721219777
5. Ms. Rosaline Khavetsa  
Territory manager, Rubis Energy Kenya  
P.O. BOX 44202 – 00100/30222 – 00100 GPO, NAIROBI  
[imbuyerosaline@gmail.com](mailto:imbuyerosaline@gmail.com)  
0748605744
6. Mr. John Riungu  
Engineer, East African Foundry Works (K) Ltd  
P.O. BOX 65163 – 00618 RUARAKA, NAIROBI/48624 – 00100 NAIROBI  
0722649999

#### **SOCIAL REFEREE**

7. Ms. Naomi Wangari  
Care Associate, Cigna Global Healthcare  
[wangaringanga9@gmail.com](mailto:wangaringanga9@gmail.com)  
0705298071