

Hamidu Athumani Nyawili

Mechanical Engineer

Dar es salaam

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PERSONAL DETAILS

Date of Birth:	10.10.1994	Place of Birth:	Kibaha-Pwani.
Nationality:	Tanzanian.	Marital status:	Single



SUMMARY

I'm a graduate Mechanical Engineer, I have 2+ years of working experience, with extensive experience in oil and gas, AC and refrigeration systems, gas turbine and their support systems, pipe production processes, design and fabrication activities. I have a thorough understanding of practical application of mechanical engineering principles and concepts. Working in teams to define and fulfill operational requirements. I am extremely result oriented and proactive in addressing and resolving problems.



EDUCATION

Bsc. Mechanical Engineering | University of Dar es salaam | 2017 - 2021



EXPERIENCE

Maintenance Engineer Trainee | Ubungu Power Plant [Songas Limited]
OCTOBER, 2022 – APRIL 2023

Duties:

- Inspection and maintenance of chiller systems.
- Maintenance of heavy equipments used in the plant like dolly truck, telehendra, Forklift, man lifter and other automobiles.
- Inspection and preventive maintenance of gas skids (gas processing plants)
- Inspection and maintenance of Boilers.
- Maintenance and repair of a cooling tower and lube oil coolers system.
- Inspection and preventive maintenance of Diesel generators.
- Preventive maintenance on electric and Diesel pumps.
- Valves inspections and preventive maintenances.
- Corrective maintenance on motors, compressors and pumps.
- Participating in turbine hot section changing and VSV bushes replacement.
- Preventive maintenances on AC and refrigeration systems.
- Participating in installation of machinery, equipment, physical structures and pipes.
- Assembling of gas turbine systems and other equipments.
- Inspection and maintenance of generator speed reducer gearbox.
- Inspection and preventive maintenances on Turbine and generator ventilation-fan
- Inspection of variable geometry system of a gas turbine.
- Gas skid filters replacement.
- Tool room management and tools auditing and updating in a datasheet.

Production Engineer Trainee | Pipe Industry Company Ltd

AUGUST, 2021 – JULY, 2022

Duties:

- Supervising production process to ensure finished products meets quality standards.
- Monitoring the use of raw materials to minimize waste.
- Supervising the use of machinery at all, station by production staff in line with established guidelines to maximize output and achieve efficiency.
- To make sure all orders are closed when finished products are delivered.
- Coordinate with other production team and maintenance team in troubleshooting and resolving technical problems.
- Identifying production needs and monitoring production process.
- Keeping production statistical records.
- Creating a database for each equipment separately including a record of faults, maintenance expenses and spares used as partial financial center.
- Collaborate with quality control department to identify and implement ongoing product quality.

Mechanical Engineer trainee | Technology Development and Transfer Center

JULY 2020 – SEPTEMBER 2020

This is the workshop found within the University of Dar es salaam, dealing with design and fabrication of various machines, mainly machines used in mines for grinding and other machines like concrete hammer mill, hand washing machine, soap mixing machine etc.

Duties:

- Design of machines for fabrication with help of design software.
- Estimation of products fabrication cost.
- Preparation of bills of quantity for fabrication activities.
- Overseeing machine fabrication activities.
- Documenting design processes and test analysis.
- Preparing operation and maintenance best practices for fabricated machines.
- Record and evaluating run test to measure their level of performance.
- Modifying products to optimize their performance.

Mechanical Engineer trainee | Tanzania Automotive Technology Center

JULY, 2019 – SEPTEMBER, 2019

The company is dealing with car servicing's, fabrication of car parts and production of cast products, mainly production of train brake blocks.

Duties:

- Inspection and maintenance of automobiles systems
- Inspection and preventive maintenance of diesel boiler.
- Machine shop operation especially using lathe, milling, drilling, shaping and grinding machines to finalize cast products.
- Participating in various cars body fabrication activities.
- Inspection and preventive maintenance of convectional machines found in the workshop.
- Participating in preparation of sand mold for casting.
- Laboratory testing of mold sand for its strength, permeability, moisture content and compatibility.
- Participating in design of mold patterns for different cast products.
- Participating in constructions of mold cavity.
- Carrying out destructive and non-destructive test on produced cast products.

Mechanical Engineer Trainee | M.M.I Steel Company

JULY, 2018 – SEPTEMBER, 2018

This is the one of **Motisun Group** manufacturing companies. It is dealing with manufacturing of building materials like reinforcement bars, steel pipes and steel sheets. It consist of foundry to process steel scraps.

Duties:

- Participating in Arc and gas welding.
- Operating workshop convectional machines like lathe, drilling, shaping and universal milling machine.
- Fitting pipes structures.
- Preventive maintenance on hydraulic and pneumatic systems.
- Participating in casting activities.
- Participating in steel manufacturing processes.
- Testing steel products and recording observations.
- Inspection and maintenance of pumps, fans and Atlas Copco compressors.
- Inspection and maintenance of finned tube heat exchanger.



SKILLS

- AutoCAD
- Solidworks
- Microsoft offices.
- Organizing skills
- Planning skills.
- Management skills.



LANGUAGE

	WRITING	SPEAKING	READING
SWAHILI	Very good	Very good	Very good
ENGLISH	Very good	Very good	Very good



PERSONAL ATTRIBUTES

- Good communication skills.
- Ability to work in multidisciplinary team.
- Ability to develop technical solutions.
- Flexible with positive challenges.
- Adhere in safety measures when on or off duty.



REFEREES

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DECLARATION

I **Hamidu Athumani**, hereby declare that the information given above is true to my best of my knowledge and nothing has been canceled or modified and brief.

Signature.....

Date January 13, 2023