



PHILOMENAH KANGETHE

GRADUATE MARINE ENGINEER

📍 Nairobi City, Kenya

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✉ philomena.kangethe2018@gmail.com

SKILLS

FACILITY MANAGEMENT

PROJECT MANAGEMENT

MARINE MACHINERY MAINTENANCE

COMMUNICATION SKILLS

ENGINEERING SYSTEMS

LINKS

LinkedIn :
[www.linkedin.com/in/philomena-kangethe-20433a244?utm...](https://www.linkedin.com/in/philomena-kangethe-20433a244?utm_source=share&utm_campaign=share_via&utm_content=profile)

LANGUAGES

ENGLISH

SWAHILI

HOBBIES

READING,DANCING,SWIMMING,ACTING

REFERENCE

CHRISTIAAN ADIKA ADENYA
Jomo Kenyatta University of
Agriculture and Tech.

T: +254-733750176

E: adika@eng.jkuat.ac.ke

PERSONAL DETAILS

Date of birth
21 Sep 2000

Nationality
Kenyan

ABOUT ME

Dedicated and highly motivated, I have done a BSc in Marine Engineering achieving a first-class honours and have almost a year of industrial experience including being a trainee on a tug boat. Additionally, I have online certifications in Project Management and Facility Management, reflecting my dedication to continuous learning and professional development. With this skill set not excluding international exposure which I gained through a four months exchange programme at Korea Maritime and Ocean University in South Korea, I am well-equipped to contribute effectively in all technical and operational aspects.

WORK EXPERIENCE

MAN ENERGY

SOLUTIONS

Kitengela

Jan 2024 - Feb 2024

Marine Engineering Trainee

Was attached at a thermal Power Plant in Kitengela, Kenya and engaged in various tasks as part of the mechanical Team;

- Honing process of the cylinder liners.
- Maintenance of cylinder heads; hydrotesting, NDT test, valve seat grinding, valve seat changing.
- Measurements of ovality and checking for wear in cylinder liners and in the big and small end of the connecting rod.
- Maintenance of pistons; cleaning, inspection and torque tightening the bolt.

The Engine was a Hyundai Marine Engine, 18H32V40

KENYA PORTS

AUTHORITY

Mombasa

Jan 2023 - Mar 2023

Marine Engineering Trainee

Was attached on Mwokozi Tug boat at the port and engaged in various tasks such as;

- Installation of a gearbox.
- Performing daily sounding and Draining valves routine as well as keeping level records.
- Cleaning and maintenance of the engine and control room.
- Aiding the engine officers in performing their tasks such as maintenance works.

HULL MARINE

Mombasa

Jan 2022 - Mar 2022

Marine Engineering Trainee

Carried out tasks on a fishing vessel as relating to:

- Refrigeration system of the fish cold room.
- Cleaning and maintenance of a condenser.
- Overhaul of a generator engine and parts maintenance.
- Dismantling, maintenance/repair and assembly of various pumps.
- Changing hose-pipes of the hydraulic system feeding the on-board crane at the weather deck.
- Tappet clearance of the main engine.

JKUAT

Juja,Kiambu
Feb 2021 - Mar 2021

- Cleaning of the engine room.
- Maintenance and Installation of a twin compressor.

Marine Engineering Trainee

Was attached in the institution's workshops and gained various experiences:

- Working with various Workshop machinery; lathe machine, milling machine, drilling machine, gear hobbing machine and shaper.
- Welding fabrications.
- Foundry works.
- Automobile engine Overhaul.
- Carpentry and plumbing basics.

EDUCATION

KOREA MARITIME AND OCEAN UNIVERSITY

Busan, South Korea
2024

Marine Systems Engineering

A four-month exchange program under a Marine Systems Engineering major that covered units such as marine offshore plants, LNG ship facilities, fuel cell System Engineering, use of alternative cleaner fuels such as hydrogen and ammonia, ocean renewable energy including tidal, wave and ocean thermal energy.

JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

Juja, Kiambu
2023

Bsc. Marine Engineering

Learnt on various marine engineering systems including; the propulsion units, power plant, the electric power generating units, electronic systems, the pneumatic systems, the hydraulic systems, control systems, the boiler systems, air conditioning and refrigeration systems; and the sewage and disposal systems.
Attained First Class Honours

ALLIANCE GIRLS HIGH SCHOOL

Kiambu
2017

High School Certificate

Attained an A- of 76 points

CERTIFICATIONS

Kenya Maritime
Authority
Jan 2024

Standards of Training, Certification, and Watchkeeping(STCW)

Studied at Premier Maritime Training Institute

Kenya Maritime
Authority
Jan 2024

Security Awareness training for Seafarers

Studied at Premier Maritime Training Institute

Great Learning Academy
Mar 2024

Project Management

Online

Alison
Mar 2024

Facility Management- Maintenance and Repair

ACHIEVEMENT

Second Position In The
Mombasa Plastics Prize
Challenge

● Plastic Pollution Competition

In the fight against Plastic pollution, my innovative idea of recycling plastic waste into weavable yarns emerged second position in a challenge that was sponsored by Government of Canada and USAID mid 2023.

My team and I have managed to remove over 10Tonnes of plastic waste from the environment through beach cleanups, a community buyback centre and have managed to sensitize over 1000 households on the importance of conserving the environment.