**MUHAMMAD AZEEM** Address: HAFIZABAD, PUNJAB, PAKISTAN

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# PROFILE

# Experienced Mechanical Maintenance Technician with over 5 years of expertise in maintaining and troubleshooting critical systems, including diesel generators, boilers, RO plants, HVAC, and a wide range of pumps. Skilled in ensuring efficient operation of equipment such as Cummins generators (1005 kW), high-pressure air compressors, and various pump types. Background in both military and civilian sectors, including the Pakistan Navy, with expertise in desalination, refrigeration, and fire fighting systems. Strong problem-solving, leadership, and organizational skills with a focus on safety, operational efficiency, and minimizing downtime.

# PROFESSIONAL EXPERIENCE

**Precision Skills International LLC.**

**Khasab Hospital, Oman**

Mechanical Maintenance Technician| April 2024 – Present

**Possesses extensive knowledge and hands-on experience in the operation and maintenance of critical systems and machinery across various industries.**

* Maintained and operated Cummins 1005DFLC diesel generator (1005 kW, 415V, 50 Hz), performing routine inspections, troubleshooting, and ensuring reliable power supply per safety standards.
* Boiler Water Treatment & Safety: Expertise in water treatment and compliance with safety regulations.
* RO Plant Maintenance for Renal Dialysis Unit: Performed routine maintenance and repairs to ensure a continuous supply of purified water, meeting medical standards for dialysis treatment.
* Operated and maintained a wide range of pumps, including centrifugal, positive displacement, and diaphragm pumps, ensuring optimal performance and reliability in various systems such as water treatment, HVAC, and firefighting.
* Medical Gas Systems: Installation, fabrication, brazing, and maintenance of medical gas, air, and vacuum pipework.
* Fabrication & Welding: Skilled in metal fabrication, welding, and structural modifications.
* Repairing and installation of electrical door closer system.
* Telescopic Automatic Sliding Door Repair: Diagnosed and fixed motor, sensor, and alignment issues for smooth

operation.

* Kitchen & Laundry Equipment: Maintenance and repair of industrial kitchen and laundry systems.
* Central boiler steam raising plant operations

**Pakistan Navy Ship KARSAZ**

Mechanical Technician | October 2020 – December 2023

* Diesel Generator Maintenance: Operated and maintained 12 YJCAZ Paxman Ventural (750 KW) diesel generators, ensuring smooth and efficient power generation.
* Auxiliary Boiler Operations: Managed Stone Vapour Steam Generator, conducting regular maintenance and troubleshooting to prevent downtime.
* Distilling Plant Supervision: Monitored and operated LMXRS distilling plant, ensuring a continuous supply of purified water for operations.
* High-Pressure Air Compressor Handling: Maintained and repaired 4000 PSI air compressors, supporting critical pneumatic and mechanical systems.
* Refrigeration Plant Maintenance: Conducted routine inspections and servicing of refrigeration units to maintain optimal cooling efficiency.
* Air Conditioning System Oversight: Supervised 50-ton air conditioning plants, diagnosing and fixing faults to ensure proper temperature regulation.
* Chilled Water Plant Management: Operated and maintained chilled water systems, ensuring reliable cooling for essential equipment.
* Damage Control & Fire Fighting: Trained and actively participated in damage control and firefighting drills, ensuring rapid response to emergencies.
* Technical Proficiency: Displayed high levels of professionalism and problem-solving skills in marine engineering tasks, contributing to operational efficiency.

**Pakistan Navy Ship ZULFIQUAR (Sword class F-22P)**

Marine Mechanical Technician | March 2019 – October 2020

* Experienced in operating and maintaining petrol driven Vlovo penta MST 620 Boat.
* Maintained and operated petrol engines inboard and outboard throughout my service.
* Served onboard the Pakistan Navy Ship ZULFIQUAR (sword class F-22P) for 01 year and 06 months.
* Knowledgeable in using specialized tools and equipment, such as compression testers, timing lights, and torque wrenches, to accurately assess and repair engine issues.
* Proven ability to work efficiently under pressure and adhere to tight deadlines while maintaining a high level of attention to detail and quality craftsmanship.
* Committed to staying updated on the latest advancements in marine engine technology and participating in ongoing training and professional development opportunities.
* Demonstrated remarkable professionalism, administration skills, and self-discipline.
* Maintained very good conduct throughout the service.
* served issues in maintenance logs or reports to track maintenance history and inform future servicing needs.
* Collaborated with maintenance leadership to prioritize cleaning tasks and coordinate with other maintenance activities for efficient operations.
* Exhibited a highly responsible and sincere attitude towards service.

**Possesses knowledge and experience in the operation/maintenance of the following systems/machinery:**

* 8V 396TE 54 Diesel Generator (MTU Germany). POWER 560 KW
* Sea Water Desalination (s) plant (Rochem RO plant Hamberg). 1020 DTS 65 Bar 15 Ton/24 Hrs
* Chilled Water Plant (Bronswerk Marine Canada). Capacity 85 Ton
* Refrigeration Plant ( Bronswerk Marine Canada). Capacity 02 Ton
* High Pressure Air Compressor (WP 5500 JP Germany). Capacity 20 MP
* Volvo penta MST 620 boat RHIB
* Oil Water Separator (Jiangsu Nanji Machinery China). ZXF (NH-05)
* Lub Oil Separator MOPX 207 Alfa Laval Marine & Tower Sweden. Capacity 9300 Ltr/Hrs
* Known for dedication, organization skills, and a strong work ethic.
* Maintains cordial relationships with subordinates.

**Pakistan Navy Ship ZULFIQUAR (Sword class F-22P)**

Fire Fighting and & Damag**e** Control

**Led the professional strategy to expand proficiency in my skills.**

* Served onboard the Pakistan Navy Ship ZULFIQUAR (sword class F-22P) for 01 year and 06 months.
* Throughout the specified timeframe, exceptional performance was consistently demonstrated, marked by unwavering dedication and a service-oriented attitude.

**He gained significant knowledge in the following areas:**

* Damage Control and Fire Fighting System.
* Damage Control and Fire Fighting Equipment.
* First Aid Assistance and Techniques.

**Specifically, responsible for assisting in the maintenance of firefighting and damage control equipment, which included:**

* Proficient in the operation and maintenance of firefighting equipment, including Portable CO2 02kg, AFFF 09 liters, and DCP 02 kg extinguishers.
* Experienced in AFFF foam drenching system and Fixed CO2 drenching system.
* Fixed & Manual Spray System
* Skilled in Fire main system and fire hydrant operation.
* Competent in the use of extended duration breathing apparatus (EDBA).
* Emergency Escape Breathing Device (EEBD)
* Magazine Fire Fighting System
* Served in the Pakistan Navy, consistently performing duties to the satisfaction of superiors.
* Possesses strong moral values and is known for trustworthiness and reliability.

**SKILLS & EXPERTISE EDUCATION & COURSES**

* Marine Engineering
* Mechanical Engineering • DAE MECHANICAL 2019 -2022
* Damage Control and Fire Fighting • INTERMEDIATE 2020 -2021
* Maintenance Management
* Leadership **LANGUAGES**
* Professionalism • **URDU** (Native)
* Administration Skills • **ENGLISH** (Fluent)
* Self-Discipline
* Cleaning of Motors and Engines
* First Aid and Medical Assistance
* Technical Proficiency
* Problem-Solving Abilities