IAN RAY MARMITO

MECHANICAL ENGINEER

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Portfolio Link: https://ianmarmito.github.io/Resume/

PROFILE SUMMARY

I am a mechanical engineer who's well-versed in both technical engineering and product design. I keep up-to-date with the latest materials and techniques

WORK EXPERIENCE

Motor Pool Supervisor (Permanent) **Feb 2024 - Present**
Provincial Government of Misamis Oriental, Cagayan de Oro City, Philippines

- Supervise light and heavy equipment units on their maintenance work and repair work.
- Dispatch heavy equipment to their assigned areas as per request.
- Travel to a designated area to Supervise and assist/ repair of light and heavy equipment's.
- Create Billing Statements from different offices and organize job order files by the office.
- Record materials/ spare parts, lubrication has withdrawn, and purchase items in inventory application in Excel.
- Inspect and take pictures of newly purchased spare parts for Pre-inspection reports, acceptance, and inspection reports.

Mechanic II (Permanent) **Mar 2022 – Feb 2024**
Provincial Government of Misamis Oriental, Cagayan de Oro City, Philippines

- Supervise light and heavy equipment units on their maintenance work and repair work.
- Officer in charge of heavy equipment.
- Dispatch heavy equipment to their assigned areas as per request.
- Repair of light and heavy equipment.
- Create Billing Statements from different offices and organize job order files by the office.
- Record materials/ spare parts, lubrication has withdrawn, and purchase items in inventory application in Excel.
- Inspect and take pictures of newly purchased spare parts for Pre-inspection reports, acceptance, and inspection reports.

Engineer II (Contract of Service) **Jun 2018 - Mar2022**

Provincial Government of Misamis Oriental, Cagayan de Oro City, Philippines

- Supervise light and heavy equipment units on their maintenance work and repair work.
- Officer in charge of heavy equipment.
- Dispatch heavy equipment to their assigned areas as per request.
  Assist repair of light and heavy equipment.
- Create Billing Statements from different offices and organize job order files by the office.
- Record materials/ spare parts, lubrication has withdrawn, and purchase items in inventory application in Excel.
- Inspect and take pictures of newly purchased spare parts for Pre-inspection reports, acceptance, and inspection reports.

Maintenance Line Technician/ Preventive Maintenance /Utilities Technician Sep 2016 - Jun 201

Universal Robina Corporation, El Salvador City, Philippines

- Maintained and repair mechanical equipment and HVAC system components.
- Perform maintenance work in the area of expertise.
- Performs minor repairs and assigned preventive maintenance services.
- Ensures all plant equipment is functioning properly.
- Works under limited supervision and selects from written instructions and established procedures to accomplish assigned tasks.

PROFESSIONAL SKILL

- Excellent problem-solving capabilities
- Creativity
- Clear communication abilities
- Collaboration
- Attention to detail
- Project management

TECHNICAL SKILL

- Computer literate
- Operates Basic CAD Operations
- Welding (SMAW)
- Machine Shop Practices
- Electrical and Motor Controls
- Reconditioning Motors and Pumps
- Automotive Repair
- Has knowledge in SAP, HVAC, Generators, R.O, Waste Water and Boiler
- HTML & CSS

EDUCATION

Bachelor of in Science in Mechanical Engineering **June 2010 - April 2015**

Mindanao University of Science and Technology, Cagayan de Oro City, Philippines

- Graduated with Diploma

PROFESSIONAL CREDENTIALS

Licensed Mechanical Engineer

Mindanao University of Science and Technology, Cagayan de Oro City, Philippines

GPA: 77

VOLUNTEER WORK

On the Job Training **April 2014 - May 2014**

Cagayan de Oro Water District, Cagayan de Oro City, Philippines

TRAININGS/ SEMINARS ATTENDED

- Assessment of Corrosion Resistant Alloy (CRA) Clad Material for Geothermal Wellhead Piping System
- Megaptera Novaeangliae Inspired Blade for Low-Velocity Tidal Streams
- Overview on Welding Quality Management System
- Decarbonized Future: Factors Affecting Engine Efficiency and Their Respective Modern Solutions using Smart Nanotechnology of Solid Lubricant Revitalizing in System Operation
- How to become a Certified Fire Protection Specialist
- A Modern Bagasse Dryer, A Promising Solution for the Fuel Problem of the Philippine Sugar Industry
- Creativity and Innovation in Engineering Design: Are they equal?

- Production, Purification, and utilization of Biogas as Fuel for Internal Combustion Engine
- Combustion Engineering
- Sugar Milling Process and Operation
- Fire Protection System
- Electrical and Motor Controls Technology Level 1
- Utilizing the Toyota Production System for Mechanical Design and Machine Development
- Introduction of Drive & Controls for Industrial Lift and Conveyance Machine
- Virtual Design Construction, an innovation in Construction Industry
- Study on the Static Aerodynamic and Self-Starting Performance of 3D Printed Aero foil
- Water Treatment & Purified Water System
- The Need for Safety Training in Educational Institutions as a Unique OSH Advocacy Net Zero Global Goal: Effects of Modern Engine Cleaning and Advance Surface Engineering
- Characterization of Analytic Hierarchy Procedure (AHP) Methods and Its Application
- Effects of a Patented Chemical Dispersant on Biodegradation of FOGs found in Wastewater
- CO2 Emission Reduction Calculation through Energy Efficiency and Conservation (EE&C) Projects for Commercial and Industrial (C&I) Facilities
- Practical and Modern Approach in Teaching Kinematics of Mechanisms
- The Use of Hybrid Model, Research-Based Learning (RBL) and Traditional Modular Method
- Managing Green Building Projects: An Effective Perspective in the Now Normal
- Leagile Manufacturing Process: “Adjustment on Production Capability"
- Understanding Welding Procedure Specification (WPS)
- Heat Exchangers – Principles, Design Fundamentals, Performance and Selection
- Resiliency & Efficiency of Data Center Operations
- Design of Energy Recovery System using Stainless Wool Heat Exchanger in Convention Center
- Introduction to Smart Microgrid Operation of Decentralized Power Plants
- Methods for Mitigating and Treatment of Corrosion and Fouling in Fire Protection Systems
- Design and Installation of Breathing Air Compressor System for Vessel
- Scoping The Industrial Steam System
- Assessment of Compressed Air Usage in Selected Key Philippines Manufacturing Plants
- Application of Miner's Cumulative Damage Theory for Fatigue Assessment of an 18TPH Firetube Boiler
- Introduction of AGV (Automated Guided Vehicle) for Industrial 4.0
- The Impact of Facilities Management in the Global Market
- Energy Savings Program for Commercial Buildings
- Functional Aesthetic: The Significance of Appearance in Machine Development
- Basis of Design and Cost Estimation of a 1 MW Solar PV Power Plant
- Development of a Monggo Bean Thresher
- HVAC Design Method Using Psychometric Calculation Leading to Air Conditioning Equipment Selection
- Achieving Project Milestone in HVAC System
- Utilities and Facilities Systems Effective Equipment Maintenance
- Safety of Nuclear Power Plants
- Revolutionizing the Food Manufacturing industry Sector through Reliability Excellence
- Operational Safety Features of Modern Nuclear Power Plants
- Lockout/Tagout Procedures
- Privacy, Security & Data Protection
- The Role of Mechanical Engineers in the Healthcare Industry
- Refire, Not Retire: Mechapreneurship Within and Beyond the Mechanical Engineering Profession
- Post Pandemic Effects in the Mechanical EngineeringIndustry
- Fire Science for Mechanical Engineers