

Holds a B. Sc. in Mechanical Power Engineering and over 4 years hands-on experience working mainly in maintenance field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/10/1990
Gender : Male
Marital Status : Single
Residence : 10th of Ramadan City, Asharkeya

EDUCATION

: B. Sc. in Mechanical Power Engineering, Ain Shams University, 2013
: Currently studying in Technical University of Liberec under the Faculty of Mechanical Engineering, study program: Master in the Energetic Equipment's Design
: El-Asher Secondary School, 2008

LANGUAGES

Arabic : Native Language
English : Fluent
German : Basics
Italian : Basics
Czech : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: Catia, Solid Works, AutoCAD, Creo Parametric, Ansys Workbench, MSC Adams, Autodesk Simulation, CAT Electronic Technician, 3D Studio Max, Photoshop, After Effects, Sony Vegas, Format factory, EES, WindFarmer

TRAINING COURSES AND CERTIFICATIONS

: Tour in Schlumberger Reda system and learned a lot about safety consideration, the artificial lift processes and its components' maintenance.
: Trained in Leoni wiring systems Egypt for 2 months in different departments (EDM, CST, Facilities, etc.). I learned a lot about the system of part number management using huge package of software, the supply chain, planning, logistics, process engineering, the board design and Yellow belt Six-Sigma.

- : Trained in the Arabic Organization for Industry in Sakr factory in the production area for 2 weeks, we saw how rockets can be designed and manufactured, the PG-7 missiles, CL enclosures and the LNG enclosure, etc.
- : Went to Lafarge ready mix Egypt for a site visit learning mechanisms for ready concrete mixing and testing besides mixing plans.
- : 2 weeks training in the production area in Alaska Company for fridges and freezers, learning the refrigeration cycle and its components manufacturing and assembly.
- : Worked for 3 weeks as a CAD drawer and designer in El-Alameia Company for metals and I helped them to design enclosures for El-Sweedy transformers and large size switch gears complex boxes by Solidworks sheet metal tools.
- : Visit to Egypt's 2nd Nuclear Research Reactor and the Nuclear Fuel factory.
- : I had a case study sponsored by Exxon Mobil solving the problems of Egyptian railways using unique ideas through the team work.
- : Courses:
 - BOSIET courses, certified from the OPITO (Apr. 2014).
 - Mechanic, Motor operator, HSE, Permit to work and Helicopter safety awareness OJT's.
 - Safety leadership in Shelf Drilling Cairo Office.
 - Solid Works Associate with a result of 95%.
 - AutoCAD Mechanical.
 - Leoni internship program certification.
 - HR Module from Schneider Electric.
 - AOI training certification.
 - Supply chain module from Exxon Mobil.
- : Self studies:
 - Drilling technology.
 - Cars & engine details.
 - Airplanes design.
 - Machining.
 - Marines Engineering.
 - Industrial organization.
 - Jet Engine.
 - 6-sigma.
 - Lean manufacturing.
 - Underwater welding.
 - Self-Study Program by Volkswagen & Audi.

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Jun. 2017 till now
Employer	:	EDAG Engineering (Externally at VW Group)
Job title	:	Automotive Development Engineer
Job Description	:	<ul style="list-style-type: none"> • Developing new ideas to be a potentials for all vehicle development or cost saving. • Studying the feasibilities of development potentials. • Evaluate the purposed ideas with different departments. • Prepare proposals that achieve the company's future goals for the new projects i.e. electric vehicles.

- Perform market studies to make comparisons between our products and the core, strategic competitors.
- Follow up with current projects and study the impact of development ideas in real world.

Dates : From Apr. 2015 till Jun. 2016
Employer : Shelf Drilling (Transocean previously)
Job title : Rig Mechanic
Job Description :

- Perform daily inspections and maintenance on mechanical equipments.
- Troubleshooting faulty mechanical, pneumatic and hydraulic equipments and tools.
- Carry out periodic maintenance according to Preventive Maintenance System (PMS) guidelines.
- Maintain service reports and advice supervisor on condition of equipment and spare parts requirements.
- Perform machine work with lath, drill press, grinding and surfacing equipment.
- Inform supervisor and other department heads of any technical problems or limitations that may affect the safe operation of the rig.
- Ensure that service, maintenance and other operational reports are accurate and complete.

Dates : From Apr. 2014 till Apr. 2015
Employer : Shelf Drilling (Transocean previously)
Projects :

- 3 National mud-pump complete overhaul and pull gear change
- Mid-life overhaul for Caterpillar Engine 3516B
- Cathead shaft overall
- Install four New Bridge Cranes
- Install New air powered Trash Compactor OEG
- Install New Mako Breathing compressor
- Designed and implemented a complete high-pressure air piping systems

Job title : Motor Man
Job Description :

- Monitor working temperatures and pressures on all engine room and associated equipment.
- Carry out routine maintenance and minor repairs on equipment and machinery as directed.
- Maintain and operate main engines - change oil & air filters, maintain proper fluids, coolants and oils; Maintain the engine room and associated workshop in a clean, tidy and hazard free condition.
- Participate fully in all Health, Safety and Environmental initiatives and safety programs and in pre-tour weekly safety meetings.
- Advice supervisor on condition of equipment and spare parts requirements.
- Inform supervisor and other department heads of any technical problems or limitations that may affect the safe operation of the rig.

Dates : From Nov. 2013 till Mar. 2014
Employer : MCV
Job title : System Design Engineer

- Job Description** :
- Designing and visual interpretations of vehicles' systems and their components using CAD programs.
 - Building prototypes of components, developing test procedures and conducting tests using software packages and physical testing methods.
 - Innovating, researching and developing new designs for components on vehicles and for manufacturing procedures, with consideration to changing customer needs and government emissions regulations.
 - Preparing material, cost and timing estimates, reports and design specifications.
 - Studying the energy, environmental and safety aspects of the planned work.
 - Supervising and inspecting the installation, modification and commissioning of mechanical systems in industrial facilities or plants.
 - Investigating mechanical failures or unexpected maintenance problems.
 - Taking responsibility for individual projects, managing associated budgets, production schedules and resources (including staff), and supervising quality control.
 - Inspecting and even test driving vehicles and checking for faults.