

Holds a B. Sc. in Chemistry / Geology and has over 6 years hands-on experience working as Chemist.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 21/11/1988
Gender : Male
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Chemistry / Geology, Cairo University, 2012
: Master degree (in progress), Beni Suef University

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

: Workshop training in photovoltaic systems (PV cells) and their applications, Faculty of postgraduate studies for advanced sciences, Beni Suef University (Feb. 2015).
: Workshop on scientific writing, Faculty of postgraduate studies for advanced sciences, Beni Suef University (Mar. 2015).
: Pumps workshop (Nov. 2018).
: Classic control training course, ETA Academy (from Dec. 2018 till Jan. 2019).
: English: TOEFL.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2017 till now
Employer : El Sewedy Electric Power System Projects (PSP)
Project : Beni Suef Power Plant Combined Cycle 4800MW (the largest combined cycle in the world)
Job title : Field - DCS Operation & Commissioning Senior Chemical Engineer

- Job Description** :
- Start-up and commissioning water treatment system contains: primary treatment plant (150,000 m³/d), chemical dosing system, dewatering plant, demineralization water system.
 - Shift Leader operation for RO plant (1500 m³/day) composed of self-cleaning filters, UF & RO membranes & EDI unit, in addition to other activities including projection on ROSA & Laxness software, chemical cleaning for fouled elements.
 - Start-up & operation cooling tower system & running the chemical injection program.
 - Responsible for laboratories activities including preparation of standard solutions, sampling and analysis pertaining to the plant, perform routine calculations & evaluation for tests, familiarize with regulatory requirements related to the environmental compliance, chemicals used in plant, MSDS, SOPs, P&IDs, carry out the quality inspection of all the chemicals received in the plant, carry out trouble shooting in chemical dosing system and laboratory requirements and record chemical consumption, summarize all daily activities during the shift in the logbook.
 - Rigid experience with different types of pumps & valves including reading of performance curves & NPSH calculations.
 - Humble knowledge for Classic control circuits & wiring diagram interpretation.
 - Working on SCADA system SIMATIC WinCC.

- Dates** : From Oct. 2013 till Feb. 2017
- Employer** : Al Raed Jet Master Company for environmental industries & water treatment solutions
- Job title** : R&D Chemist
- Job Description** :
- Growing and developing technical & personal understanding of all the related functions from conception and execution in order to complete the product & solutions.
 - Working in designing, constructing & operation of compact sewage & industrial wastewater treatment plants.

- Dates** : From Aug. 2012 till Aug. 2013
- Employer** : Environmental Hazards Management Center (CEHM), Cairo University
- Job title** : Researcher Chemist
- Job Description** :
- Analyse samples of lead "Pb" air matrices PM10, dust full, NO_x & SO_x.
 - Water samples analysis (pH - conductivity - BOD - COD - Hardness - TDS - Heavy metals - oil & grease...etc).
 - Validating methods for Ion exchange chromatography (IC) & spectrophotometer Devices (nanocolour & DR 3900), developing techniques for chemical analysis, interpreting data and adhering to strict guidelines on documentation when recording data & reporting scientific results.

Skills:

- Shift Leader for chemists & technicians team.
- Responsible for the first main fuel depot during my service the Egyptian Army.

- Good command of quality control processes.