

Holds a B. Sc. in Chemistry and has about 17 years hands-on experience working as Chemist. He is working in the field of power production. His work includes chemical work on line and on laboratory through achieving the routine daily tests, determine doses of chemical materials, deal with analyzers for maintenance – calibration – setting adjustment – input and output connection.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 31/01/1984  
Gender : Male  
Marital Status : Married  
Residence : Currently Iraq

## EDUCATION

: B. Sc. in Chemistry, Tanta University, 2005  
: Post studies in Chemistry, 2006

## LANGUAGES

Arabic : Native Language  
English : Excellent

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: Analytical Chemistry Diploma.  
: EHS certificate (OSHA).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jul. 2021 till now  
**Employer** : SPM Oil & Gas - a Caterpillar Company  
**Project** : PPG PROJECT (4x160MW), IRAQ (4 ALSTOM gas turbines)  
**Job title** : Process & Utilities Supervisor  
**Job Description** :

- Water treatment plant supervision.
- Gas station supervision (slug catcher, scrubbers, water boilers, reducing skid).
- Fire fighting system.

- Waste water treatment plant supervision.
- Instrument & Service Air Compressors Supervision.
- Fuel oil unloading skid, forwarding skids.
- Chemical dosing systems supervision.
- Laboratory equipments.
- Turbine cooling system.
- Evaporative cooler system.

**Dates** : From Jul. 2019 till Jun. 2021  
**Employer** : J&P AVAX Construction Co.  
**Project** : Bismayah Power Plant phase 2 & 3 (3000MW), Iraq:  

- 8 GE gas turbine frame 9FA (8x250MW).
- 8 CMI heat recovery steam generator (HRSG).
- 4 GE steam turbine frame C7 (4x250MW).
- 4 Air cooled condenser (ACC).

**Job title** : Commissioning Chemical Engineer  
**Job Description** :  

- Supervise chemical cleaning.
- Water treatment plant supervision.
- Perform commissioning for lube oil, lifting, seal oil, ccw.
- Perform solo run test & mechanical run test for closed cooling water pumps, condensate pumps, raw water pumps, demi water pumps.
- Commissioning of online analyzer systems (PH, SC, CC, sio2...).
- Commissioning of dosing systems.
- Chemical tanks preparation.
- Follow and monitor water and steam conditions.
- Making required analysis in laboratory.
- Follow all safety instructions.
- LOTO & PTW Issuer.

**Dates** : From Jan. 2019 till Jul. 2019  
**Employer** : GS Engineering & Construction - EPROM  
**Project** : Mostorod Refinery Plant  
**Job title** : Chemical Process Engineer  
**Job Description** :  

- Water treatment plant supervision (clarifiers - UF - RO).
- Perform calibration & maintainance of different types of analyzers PH, sc, cc, silica, DO, oxygen telydene, servomex, CEMS, GC, hydrocarbon...
- Follow all safety instructions.

**Dates** : From Jan. 2018 till Jan. 2019  
**Employer** : [EGYPTROL](http://www.egyptrol.com), Al Toukhi Subcontractor  
**Project** : HAIL PROJECT – KSA  
 (CONVERSION OF HAIL SIMPLE CYCLE TO COMBINED CYCLE)  

- 4 Siemens gas turbines.
- 4 Fooster Wheeler Heat Recovery Steam Generators (HRSG).
- 1 Siemens steam turbine.
- Water Firefighting system.
- Water treatment plant produce DM water, Service water, Filtrate, potable

- water.
- Job title** : Chemical Process Engineer
- Job Description** :
- Supervise HRSG chemical cleaning.
  - Safe Start-up and Shutdown Operation for All Plant equipments, pumps, blowers, compressors.
  - Commissioning of water treatment plant.
  - Commissioning of clarifiers, acf, sand filters, uf, RO.
  - Commissioning of ccw, condensate pumps, raw water pumps.
  - Commissioning of dosing systems and chemical tanks.
  - Commissioning of online analyzer systems.
  - Water lines flushing.
  - Monitor water and steam conditions.
- Dates** : From Sep. 2016 till Jan. 2018
- Employer** : Elsewedy Power - PSP / SIEMENS
- Project** : Beni Suef CCPP 4800MW:
- 8 SIEMENS Gas Turbines SGT5- 8000H (8x400MW).
  - 8 NEM Heat Recovery Steam Generations (HRSG).
  - 4 SIEMENS steam turbines SST-5000H (4x400MW).
  - Water treatment plant produce DM water, Service water, Filtrate water and potable water.
  - Pump station, clarifiers, filters, demin plant, dosing systems.
  - Water Fire fighting system.
  - Service water pumps.
- Job title** : Chemical Process Engineer
- Job Description** :
- Supervise chemical cleaning.
  - Water treatment plant commissioning, start-up, operation.
  - Commissioning of Chemical dosing systems.
  - Commissioning of swas system.
  - Chemical tanks preparation.
  - Safe Start-up and Shutdown Operation for All Plant.
  - Supervise dosing systems for HRSG and water treatment plant.
  - Follow up water and steam conditions.
  - Identifying, investigating and repairing system faults.
  - Follow all safety precautions.
- Dates** : From Jan. 2015 till Sep. 2016
- Employer** : Elsewedy Power - PSP / GE
- Project** : EI-Dewaniya Power Plant – IRAQ:
- 4 GE gas Turbines frame 9E (4x125MW).
  - Water treatment plant produce DM water, Service water, Filtrate water and potable water.
- Job title** : Commissioning Chemical Engineer
- Job Description** :
- Ccw commissioning.
  - Water treatment plant commissioning and operation.
  - Chemical dosing systems commissioning.
  - Chemical tanks preparation.
  - Service, potable, demi water systems commissioning.
  - Laboratory testings.

- Pump and blowers testing.

**Dates** : From Dec. 2012 till Jan. 2015  
**Employer** : DOOSAN Heavy Industries & Construction  
**Project** : Supercritical Thermal Power Plant 2x650MW in EL-AIN EL-SOKHNA in EGYPT:
 

- 2 HITACHI steam turbines.
- 2 Boiler once through type.
- Forced draft fan (FDF).
- Boiler circulating pump (BRP).
- Gas recirculation fan (GRF).

**Job title** : Chemical Process Engineer  
**Job Description** :
 

- Analyzer systems supervision.
- Supervise chemical cleaning.
- Sampling lines and coolers, chiller commissioning.
- Monitor water and steam conditions.
- Laboratory testings.
- Reviewing results and meeting with managers to discuss methods of improving the productivity of existing systems.
- Fast Acting in Emergency Cases.

**Dates** : From Dec. 2007 till Nov. 2012  
**Employer** : West Delta Electricity Production Company  
**Project** : Thermal & CCPP  
**Job title** : Chemical Process Engineer  
**Job Description** :
 

- Water treatment plant operation.
- Supervision of swas.
- Supervision of chemical dosing systems.
- Safe Start-up and Shutdown Operation for All Plant.
- Reviewing results and meeting with managers to discuss methods of improving the productivity of existing system.
- Preparing chemical tanks.
- Calibrating laboratory equipement.
- Laboratory tests.
- Fast Acting in Emergency Cases.
- Perform solo run test & mechanical run test for service water pumps.
- Identifying, investigating and repairing system faults.

**Dates** : From Sep. 2005 till Nov. 2007  
**Employer** : BEHEIRA WATER AND DRAINAGE COMPANY  
**Job title** : Chemical Process Engineer  
**Job Description** :
 

- Safe Start-up and Shutdown Operation for All Plant.
- Supervision of chemical dosing systems.
- Disinfecting for the water net.
- Laboratory and online analyzers calibration.
- Clarifiers, filters, blowers supervision.
- Laboratory testing chemical and bateriological.
- Reviewing results and meeting with managers to discuss methods of

improving the productivity of existing system.

- Fast Acting in Emergency Cases.
- Perform solo run test & mechanical run test for raw water, filtered, pure water pumps.
- Identifying, investigating and repairing system faults.
- Supervising the work of manufacturing engineers.