

## CURRICULUM VITAE

**Shaik Shajahan**  
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**Bangalore,**  
**Koramangala,**  
**Karnataka**

### **Career Objective:**

Seeking a challenging position where expertise and skills can be utilized to contribute to the development of organization and career enhancement.

### **Field of Expertise:**

7 years 8 months experience in Operation and maintenance as a Chemical engineer of **Waste water treatment Plant, and water plants, Reverse osmosis plant, Chilled water treatment, Boiler plant.**

### **Professional Experience :**

❖ **Company**

Converge engineering pvt ltd....., Mumbai.

❖ **Year of Experience:**

1 Years and 5 Months (Period – From Feb 2021 to Still Now)

❖ **Designation:**

Process engineer

### **Job Profile: ( Feb 2021 – Still now)**

#### **Job Responsibilities**

- Prepare/Review Process documents such as Heat and Material balance, Process data sheet for equipment & Instrument, Process flow diagram (PFD), Piping & Instrumentation diagram (P&ID), process description, Process design basis, Material selection diagram(MSD), cause and effect matrix (C&E), Operation & control narratives, safe guarding memorandum & safe guarding flow schemes, Operation & Control philosophy, Pre- commissioning and commissioning procedure etc.
- Checking/Preparation of all Process Calculations like equipment sizing, Hydraulics, Flare/Vent header, PSV, Blowdown etc. Analyses project specifications, tender and proposals requirements.
- Review of vendor documents and technical bid evaluation.

- Having good experience in chemical engineering simulation software like HYSYS, UNISIM, PIPESIM, FLARENET, PIPENET Should have experience in safety studies such as HAZOP, SIL etc.
- Should be Conversant with international standards like API, SHELL DEP etc.
- Must be capable of handling a project independently and interacting with all parties concerned both internal and external.
- Should be an effective Team player, capable of working with Multi-National Clients.

## Professional Experience :

### ❖ Company

Nesma Trading Company....., Riyadh.

### ❖ Year of Experience:

5 Years and 1 Month (Period – From Nov 2015 to Nov 2020)

### ❖ Designation:

Chemical Engineer

## Job Profile: ( Nov 2015 –Nov 2020 )

### Job Responsibilities:

- Responsible for Operation of the WWTP plant as well as WTP plants.
- Must establish solid understanding of the principles of waste water treatment processes and their application.
- Provide technical leadership to the PMC and contractor to ensure clients quality requirements are met by demonstrating creativity, foresight and mature engineering judgement.
- Provide technical review and advice for this complex and unique assignment.
- Applies diversified knowledge of engineering principles and practices.
- Supervises the work of engineers on the projects including providing technical guidance and reviewing work and results.
- Provide major contribution to fostering client relationships.
- Evaluate plant operations: assures proper adjustment of plant processes; coordinates sampling operations to assure proper balance of treatment steps and meeting effluent requirements; ensures the proper conduct of laboratory tests performed by operation staff.
- Supervises plant maintenance activities to ensure the safe, reliable and efficient operation of equipment; verifies proper implementation of plant preventive maintenance plan as well as the work order issuance for any corrective maintenance whenever required.

- Ensure Quality, Health, Safety and Environment (QHSE) policy is adequately implemented.
- Local staff trainings and appraisals supervision.
- Assist the client in all Process Engineering Matters related to WWTP or WTP.
- Chemical Cleaning for the Membranes and Media Filter.
- Promote the sales of chemicals as per requirement of client.
- Conduct the legionella test.
- Manage laboratory facilities and knowledge of chemical safety.
- Manage sampling and analysis function and present results appropriately.
- Ensure activities affected by chemical and related considerations can be carried out effectively, efficiently, economically, and safely.
- Chemical Lab analysis RO water and WTP water requirement.
- Calculating the solid settling rate by carrying out Settrometer test.
- Calculate properties of water by carrying out PH test, MLSS, TDS, DO, BOD, COD& remaining all other parameters.
- Test for Taste and Odor as per standards.
- Iron, Manganese control and Flouridation process.
- Monitor help desk service request and carry out the tasks accordingly.
- Chemical dosing for chilled water, cooling tower, WTP, Boiler as well as RO systems.
- Chemical Cleaning for Condensed Water Loop and Evaporator of Chiller Plant.
- Calibration of the all the Sensors in the Controller, adjust the settings as per required Concentration Limits.
- Work in coordination with chemical engineer, analyze and interpret data in the process.
- Preventive maintenance activities in each site.
- Prepare of check sheet and log sheet, periodically checking log and check sheet each site for Operation as well as preventive maintenance.
- Have good knowledge of Sale the Chemicals and devices of dealing with the clients.
- Training for fresh operator.

**Name of the Site**

PROJECT	CAPACITY ( m <sup>3</sup> )	PACKAGES DEALT WITH
KSBAU-RIYADH	2×2600	RO PLANT, WTP, PRETREATMENT, CHEMICAL DOSING, LAB ANALYSIS, COOLING TOWER, SEWAGE TREATMENT PLANT
KSBAU-RIYADH	2×10000	STP PLANT, WWTP
St. JOSEPH ARTS AND SCIENCE COLLEGE- MADURAI	1×60	WTP, RO PLANT, WWTP
St. JOSEPH CONVENT SCHOOL-MADURAI	1×60	RO PLANT, WTP PLANT, STP PLANT
ARAMCO - DHAHRAN	6×750	CENTRIFUGAL CHILLER PLANT , COOLING TOWER

**Previous Experience:**

❖ Company:

Rain Drops Water Solutions....., Chennai.

❖ Year of Experience:

1 Years 1 month (Period – From Aug 2014 to Aug 2015)

❖ Designation:

Plant Incharge ( Aug 2014 to Aug 2015)

**Job Profile: ( Aug 2014 - Aug 2015)**

**Job Responsibilities:**

- Responsible for operation and performance of Reverse osmosis plant, Water treatment plants, Sewage treatment plant.
- Maintain records on chemical usage storage, equipment operation and personnel attendance.
- Monitoring PH and COND in RO, STP, WTP and STP water.
- To maintain make-up water level in cooling tower. □Plant maintenance work.
- Service work (membrane cleaning, media filling )

**Computer Skills :**

Operating system : Windows98

Packages : MS Office, C- language, MATLAB, ASPEN HYSIS

**Personal Profile:**

Date of Birth : 3<sup>rd</sup> Jul, 1993.

Father Name : Shaik Shahansha

Sex : Male

Martial Status : Single

Nationality : Indian

language : English, Telugu & Hindi.

**Academic Profile**

QUALIFICATIONS	SCHOOL/ UNIVERSITY	YEAR OF PASSING	PERCENTAGE
B.Tech(Chemical Engineering)	Jawahar Lal Nehru Technological University, Anantapur	April 2014	77.09%
HSC	Sri Chaitanya Junior College Hyderabad	April 2010	93.80%
SSLC	Good Samaritan High School Hyderabad	April 2008	92.67%

I acknowledge that the details given above are true to best of my knowledge.

Yours Sincerely,

**(Shaik Shajahan)**