

Muhammad Bilal Siddique

Skilled Chemical Engineer

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Professional Summary:

A hard working intellect with a technological flair and academic outlook to engineering methods with command on ICT tools. A Flexible and analytical person with a keen eye on details in operational and production activities. Possess eminent skills in domains of research, reporting, communication & presentation to meet organizational growth.

Seeking to find a challenging position within a company that offers me the possibility to use my experience to best serve the needs of the company and improve its profitability.

Extensive knowledge of the composition, structure, and properties of substances and of the chemical processes and transformations that they undergo. Wide expertise in inputs, outputs and raw materials. Conversant with use of ASPEN HYSYS and ChemCAD applications for simulating the process. Basic and in depth knowledge of equipment's such as distillation columns, furnaces, pumps, compressors, refrigeration systems, absorber, stripper, separators, heat exchangers, valves etc., including their designs and uses. Capable of working in team, very good communication and interpersonal skills.

Professional Experience:

- **ADNOC Gas Processing, Al Ruwais, Abu Dhabi, UAE**

'Supervisor' for maintenance of Process Equipment during annual shutdown (Train 1 & 2) through contractor Descon Engineering (from February 20 to 31st March 2018)

ADNOC gas processing operates one of the world's largest gas processing plants, which has a capacity of 8 billion standard cubic feet per day.

Responsibilities/Accomplishments:

- Understanding and implementation of scope of shutdown
- Looking after maintenance activities of column and furnaces and valves
- Adherence to PTW standards
- Monitoring/Assessing performance of myself, other individuals, to make improvements or take corrective actions
- Safety precautions during job performing
- Ensured safe, efficient operations and environmentally-friendly maintenance operations and proper disposal of gases
- Authorized signatory for PTW(Permit to work)
- Completion of all the assignments within due time

- **Fauji Fertilizer Company Limited, Goth Machhi, Sadiqabad, Pakistan**

'Plant Operations Intern' (from June 15 to July 22, 2016) (6 weeks)

It is the largest Urea manufacturing facility of Pakistan consisting of two Ammonia/Urea units owned by FFC, having an annual designed production capacity of 1.3 million tons of urea.

My training included but not limited to:

- Active participation in improving functionality of the fertilizer plant
- Study of PFDs, P&IDs and major and auxiliary plant equipment's
- Study of API Courses
- Safety precautions during operational procedures
- Plant production operations using ICT tools

Professional Qualification:

- **B.Sc in Chemical Engineering** from **University of Engineering and Technology, Lahore, Pakistan**
CGPA 3.702/4 (2013-2017)
- **Final Year Thesis** on 'Natural gas hybrid purification using amine and membrane technology and LPG/NGL recovery unit'

Professional Courses & Certifications:

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|---|---|
| ➤ H ₂ S and BA Competency Certificate Level II | Safety Zone S & S Consultancy, UAE |
| ➤ IOSH Managing Safely v5.0 | Cardiff School Of Certified Professionals, UK |
| ➤ Minimizing & Identifying Process Safety Hazards (e-learning) | AICHE, USA |
| ➤ Managing Health & safety at Work Place | Pakistan Engineering Council |
| ➤ Entrepreneurship in Chemical Engineering | Pakistan Engineering Council |
| ➤ Role of Engineers in Promotion of Safety | IEFR, Faisalabad, Pakistan |
| ➤ Career Counseling and Leadership Program for Professional Development | IEFR, Faisalabad, Pakistan |

Technical Skills & Core Strengths:

- Fluid Dynamics (Pumps, Compressors, Valves)
- Process Instrumentation
- Material and Energy Balance
- Heat & Mass Transfer
- PFDs and P&IDs
- ICT Tools
- Technical Reporting
- Ability to work within a team environment
- Self-motivated, ability to work under minimal supervision
- Excellent communication, decision-making skills
- Analytical, critical thinking and problem solving skills
- Charismatic and confident public speaker
- Ability to work for long durations and handle multiple responsibilities

Computer skills:

- Windows OS
- MS office (Excel, Word, Visio & PowerPoint)
- Aspen HYSYS
- ChemCAD

Personal Data:

Address: Al-Hamd House, main road pathanistan, near Iqbal estate Rahim Yar Khan
Date of Birth: July 13, 1995
Father Name: Muhammad Siddique
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