
Nazanin Rahimi

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A Process Engineer with 3 years of experience in Oil & Gas industries, Petrochemicals and utility plants, concentrating on detail design, process. Having a deep knowledge of P&ID, PFD, process calculation, International codes & standards and working effectively both independently and in a team.

Benefit from:

- Multidisciplinary knowledge
- Excellent communication skills
- Easy learning and motivated
- Flexible and open to new perspectives
- Team-oriented and innovative way of working

EDUCATION

Bachelor of Science, Chemical Engineering (January 2022)
University of Science & Technology, Tehran, Iran

Experience

Dec 2022-present

Process Engineer, JahanPars Company.

Feb 2022-Sep 2022

Process Engineer, IQA Solutions - USA

SKILLS

professional skills

- Ability to generate and check all deliverables in process discipline, such as drawings and documents regarding following subjects:
 - **PFD/P&ID/UDD**
 - **Data sheet**
 - **Sizing**
 - **Hydraulic calculation**
 - **Lists**
 - **Cooling Tower**
- Familiarity with international and local standards and codes of practice (API, ASME, IPS and etc.)
- Experienced to review documents related to all types of equipment and instruments.

SOFTWARE

- AutoCAD 2D
- ASPEN HYSYS
- HTRI
- ASPEN FALRE-NET
- MS OFFICE

Professional Experience

▪ **JAHANPARS Company**

▪ **KEROSENE HYDRO DESULFURIZATION UNIT/Basic design**

(July, 2024 – Present)

Client: ESFAHAN OIL REFINING COMPANY

- Simulation of process unit with Aspen-Hysys.
- Equipment sizing
- Line sizing
- PFD and HMB preparation

▪ **Lali-Bangestan Oilfield Development Surface & Subsurface (March 2023- Present)**

Client: National Iranian South Oil Company (NISOC)

- PREPARING DETAIL technical documentation including but not limited to the following documents.
- Process Description
- Process Duty Specification
- Process Design Basic and criteria
- Process Calculation Note
- Process Diagram (BFD, PFD, PID)
- Hydraulic Calculation
- Process simulation report
- Evaluated technical proposal of Air compressors, Chemical injection package, pumps and separator manufactures.
- Participated in technical meeting with manufactures.
- Simulation of process unit with aspen Hysys.

▪ **Balarud Oilfield Development Surface and Subsurface**

(Des 2022-present)

Client: National Iranian south oil company (NISOC)

- PREPARING DETAIL technical documentation including but not limited to the following documents.
- Process Design Basic and criteria
- Process Equipment sizing
- Process Diagram (BFD, PFD, PID)
- Hydraulic Calculation
- Line sizing

▪ **Amir Kabir Kashan Cold Strip Mill and Pickling line (Des 2022-Nov2023)**

Client: Mobarakeh Steel Engineering Company (MSE)

- As process eng. I am responsibility for design utility units (Water treatment, Cooling tower, Steam Generation unit and Sanitary sewage treatment unit).
- Evaluating vendor document, make sure vendor quotation and document are in, line with process requirement, client specification, project requirement application code & standard.
- Generation/ Reviewing the technical documentation including but not limited to the following document.
- Basis of Design
- PFD
- P&ID

- Equipment sizing
 - Equipment datasheet
 - Process design philosophies
 - Cause & effect diagram
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- **ILAM GAS TREATING PLANT PHASE 2 (Des 2022-Nov2023)**
Client: Iranian Gas Treating plant phase 2
 - Hydraulic Calculation
 - Line sizing and list
 - Equipment datasheet
 - Participating in Hazop and Sil review meeting of SRU unit
 - **IQA Solutions (February 2022 – September 2023)**
Urban X Propane Project
Client: Chevron Company
 - Line sizing and list
 - Equipment datasheet
 - designed P&ID
 - Performed Aspen HYSYS simulations