

# Omar Al-Hamadani

## PERSONAL INFORMATION

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- Nationality: Canada
- Marital Status: Single
- Date of Birth: 6<sup>th</sup> April, 1992
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## Summary

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Enthusiastic Process Engineer, successful at operating in both self-directed and team-based capacities. Familiar with running Aspen HYSYS Simulation program. Decisive problem solver, clear communicator, and analytical thinker.

## Skills & Qualification

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- Analytical ability.
- Familiar with international codes and standards (ASME, API, ASTM).
- Execution (drive, speed, passion).
- Leadership orientation in handling the situation at worksite.
- Strong decision-making in solving the issues at the job.
- Delivering the tasks on time.
- Familiarize with various engineering software programs (Simulation Software, Navisworks, and Pipe net).
- Punctual with excellent time management skills.
- Familiar with Various MS office programs (word, Excel, PowerPoint, and Project).
- Hard worker & efficient in implementing tasks.

## Education

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- **University Of Saskatchewan** September 2012 – June 2016  
Saskatchewan, Canada  
Bachelor of Science in Chemical Engineering, with minor in Petroleum Engineering.
- **Saskatchewan Polytechnic** January 2017 – April 2017  
Saskatchewan, Canada  
Applied Certificate of Project Management
- **Computer & Software Training Centre** September 2021 – November 2021  
Saudi Arabia, Online  
Engineering Fundamentals for Piping and Pipelines

## Work Experience

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### ❖ **PEG Engineering & contracting DMCC**

**Dubai, UAE**

**Process Engineer**

**December 2019- Present**

**January 2023- June 2023**

**British Petroleum-DS02 & 04 FWKO Project (Rumaila Operational Organization)**

- Perform vessel sizing calculation and ensure sufficient liquid holdup time and align with process design basis.
- Reviewed various documentations generated by internal supplier such as: GA drawing, vessel sizing report.
- Collaborated with various engineering disciplines and ensured the close out report was up to date.
- Attended weekly client meeting to discuss the related technical aspects.

**Process Engineer**

**January 2023- June 2023**

**PETRONAS CARIGALI IRAQ HOLDING B. (Dehydrator and Desalter Package)**

- Performed the troubleshooting activity on the Dehydrator & Desalter Package with support of the internal vendor.
- coordinated daily online meetings with internal vendor and COMPANY to update about the upcoming action plan should be considered to obtain the final product on spec.
- Generated various documentation such as test procedure, daily commissioning, and operation manual for operating the existing Dehydrator and Desalter package.
- Reviewed and evaluated the technical offers for various Internal suppliers about updating the internal of an existing Dehydrator and Desalter package.
- Evaluated various chemical suppliers and selected the best chemical to be suitable for processing crude in terms of time reactivity and efficiency.

**Process Engineer**

**July 2022- December 2022**

**ExxonMobil FWKO Project (West Qurna- WQI)**

- Performed the calculation for specifying the required chemical dosing of twenty-seven chemical injection packages such as: (Demulsifier, Antifoam, Corrosion Inhibitor, etc.).
- Prepared the process data sheet for the chemical injection package.
- Carried out discipline check for the main process documentations: Utility Flow Diagram, Process Flow Diagram, Piping, and Instrument Diagram P&ID.
- Performed the following process calculation such as line hydraulic sizing, PSV sizing, control valve sizing.
- Specified the Tie-In location and worked out accordingly on generating the Tie-In register

**Commissioning / Completion Eng.**

**June 2021- July 2022**

**PETRONAS CARIGALI IRAQ HOLDING B.V (EPCC For 3 OIL TRAINS)**

- Completed mechanical inspections with the as per Isometric drawings for three oil trains.
- Inspected the flange alignment and the correct torque values as per client standards.
- Created the weekly and monthly progress report for the mechanical completion activity.
- Well-acquainted with using Go for Technology "GOC" tools for creating, navigating, generating the inspection test report.
- Performed the mechanical completion walkdown with client.
- Attended the meetings with client for categorizing the raised punch points.
- Prepare the leak test pack and marked up the P&ID's drawings.
- Carried out a variety of Pre-commissioning activities such as: Solo run test for Rundown Air Cooler, Pumps, etc.

**Process Engineer**

**December 2019- June 2021**

**China National Petroleum Company (Halfaya Gas Processing Plant)**

- Performed Thermal Rating check for Shell & tube Heat Exchanger and U-tube Boiler in Aspen Exchanger Design and Rating (HTFS).
- Performed Line Sizing Hydraulic for single phase such as: Liquid or Vapor and two-phase fluid and

taken into consideration the applicable criteria.

- Evaluated the technical offers for different vendors and ensured all the vendors are technically aligned such as: steam traps, static mixer, control valves, and heat exchangers.
- Highly skilled with using various Engineering simulation software such as: Aspen Hysys, Flare Net, Piping and Plant Design software.
- Prepared various Engineering documents such as: Line Hydraulic Calculation, Line List Register, Control Valve Sizing, Pump Sizing, and Pressure Relief Valve Sizing.
- Well with international standards related to Oil & Gas Industry such as: API 520, 521, 12J, and Shell DEP.

❖ ***China Petroleum Engineering Company***  
**Dubai, UAE**

**July 2018 – December 2019**

**Junior Process Engineer**  
**Basra Gas Company workorders**

- committed to the delegated tasks and delivered them in a timely manner.
- carried out some process activities under supervision of the mentors.
- Acquainted with client specification and design theory such as: Shell BGC, Exxon Mobile, etc.
- Followed-up with the monthly progress and updated the management about project status.

❖ ***Assured Packaging***  
**Ontario, Canada**  
**Project / Quality Coordinator**

**June 2017 – March 2018**

- Ensured that the products met the agreed specifications, budgets, and timescales,
- Verified that the work performed meets the contract's requirements,
- Attended monthly safety meetings to remind all the workers to be strict with safety during production time,
- Developed documentation, including diagrams and specifications, to meet client requirements and regulatory standards.

## **References**

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- Available upon request.