

## SUMMARY

- Pursuing an MBA and PMP certification
- B.Sc. in Chemical Engineering
- Almost 9 years in the Oil & Gas industry

### 3 Years in:

- Detailed Engineering Design
- Proposals for Contract bidding
- Technical Consulting for projects

### 5 Years as:

- Team Lead in Commissioning and Start-Up
- Worked in UK, UAE, Oman

Fluent in English (Native) and Farsi (Native)

### Strengths / Skills / Abilities:

- Led teams of engineers building trust and close relations
- Rapidly learned new skills on the job
- Coordinated multiple tasks/ teams/ disciplines
- Coordinated logistics of materials/ equipment
- Scheduled and sequenced complex activities
- Involved in many aspects of project management
- Constantly involved in problem solving
- Interfacing and relationship building with Clients such as Total, BP, Tennet, ORPIC and CB&I

## EMPLOYMENT EXPERIENCE - Petrofac International

May 2017-Dec 2018

**Senior Process Commissioning Engineer – Tennet - HVDC Platform- Borwin3 Utility Systems – Renewable Energy Project – Dubai – Onshore Phase**

- Prepared, coordinated & executed testing activities required to bring units online
- Led the sequencing and prioritisation of the order in which construction and other disciplines completed Units and systems
- Co-authored Procedures and Operating manuals
- Interfaced and coordinated with vendors, built close relationships
- Directly managed and supervised Subcontractors
- Regularly involved in contracts conflict resolutions with clients and contractors
- Achieved target within short time-span before sail away resulting in huge savings

March 2017- May 2017

**Process Commissioning Proposals Engineer (I) - Various Proposals/ Bids**

- Rapidly calculated Cost Estimates for the Commissioning department
- Rapidly wrote the technical write up for the Commissioning strategy
- Rapidly Prepared Commissioning sequence and high-Level schedule and advised planning teams on detailed schedules

Jan 2016 – Feb 2017

**Process Commissioning Engineer (I) – Acting Process Lead – ORPIC / CB&I - Sohar Refinery Improvement Project**

- Responsible for testing and start-up of multiple Units
- Supervising and coordinating with vendor representatives to resolve issues
- Built close relationship and high level of trust with the client
- Daily coordination of activities for the Process Team and technicians
- Conducted Pipe cleaning, Leak testing, vessel / tanks inspection, Site Plan verifications and Operation of equipment from control room
- Managed chemical requirements for the full team including logistics

Nov 2013 – Nov 2015

**Lead Process Commissioning Engineer (I) - Shetland Gas Plant – Total**

- Appointed as temporary Process Team Lead with no prior experience
- Kept on as Process Team Lead for 2 years with approval from Total
- Direct daily coordination, with client and built strong relationships and trust
- Controlled Site-wide Mechanical Isolations, (High Level Risk Mitigation)
- Rapidly prepared Storage Tanks and Internals in time for ship unloading preventing delays and massive cost accruals.
- Managed a team of ~10 engineers
- Managed and coordinated Subcontractor and vendors, built strong relationships
- Managed, reviewed and executed Leak testing
- Wrote and Executed Test Procedures with Client
- Managed chemical requirements for the commissioning team and worked closely with the logistics team and suppliers to plan and coordinate the supply

Oct 2011 – Nov 2013

### Process Design Engineer (II)

*Engineering Solutions Group (Internal Technical Consultancy)*

- Successfully completed a simulation for the client (Total) with a software (OLGA flow assurance). No prior experience or training, learnt on the job, self-study
- Conducted a study on non-functioning fuel gas treatment packages for several GTGs to enable the client (BP) to produce electricity and reduce their dependence on the national grid. A detailed study was delivered in less than two weeks with the client's satisfaction that formed the basis of starting up the GTGs.
- Solely responsible for the Process section of a feasibility study for Shell – Majnoon Field. Conceptualised and simulated different process configurations and Conducted a comparative study.
- Conducted Simulations on Molecular Sieve dehydration vs TEG dehydration study for Saudi ARAMCO
- Gas to Liquids Plant Proposal – Conducted Vendor Bid Evaluations on Air Separation and Hydrogen Production Units, preparation of preliminary costing for major equipment, conducted steam balance calculations
- Refinery Plot Plan optimisation for reduction of pumping & piping requirements, Presented possible Plot Plan options to management

Oct 2010 – Nov 2011

### Graduate Process Design Engineer

Vessel sizing, development of high-level drawings (PFD), Heat and mass balance development, HYSYS Simulations, line list review, conducted HAZOP closeouts

Feb 2010 – Jul 2010

### Intern Chemical Engineer - *Crescent Petroleum*

- Corrected calculation errors found in Company software related to Unsteady State Heat Transfer resulting from Gas Blow Down
- Determined Erosional Velocity limits in wells in Kurdistan, Iraq
- Performed Hydrate Inhibition Calculations
- Simulated Gas Pipeline Transmission Systems to check pressure drop
- Developed company guidelines for flow correlations available in HYSYS
- Technical Evaluation of Bids
- Sized Main Gas Line Blow down Valves

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## EDUCATION

- **Brunel University - London – Full-Time General MBA**

**Jan 2019 – Present**

*Completed:* Operations Management, Business Economics, Corporate and Business Finance / Accounting, Managing for the Future.

*In progress:* Strategic Marketing Management, Corporate and Competitive Strategy, International Business, Leading People and Organisations

- **American University of Sharjah, (Grade: 3.29/4 GPA)**

**Jan-2016 – May 2010**

BSc. Chemical Engineering / Minor in Petroleum Engineering,

Non-Engineering Courses: Micro & Macro Economics, History of Science and Tech, History of Modern Iran

**HONOURS:** Dean's List (3 semesters), Merit Scholarship - (4 Academic Years)

## TECHNICAL TRAINING

- Advanced training for Certified Associate in Project Management PMP (6 Days) – Brunel University
- General Process Engineering Design Training (6 months) – Petrofac Graduate Program
- Gas Sweetening (3 days) Gas Processors Association UAE Chapter
- HYSYS / HTRI/ PIPESIM (Petrofac In House Training)
- PROMAX (Official Bryan Research & Engineering Training Course)
- OLGA (Official OLGA Training Course)

## OTHER STUDIES

- Politics and Economics of International Energy - Sciences Po Via Coursera.org – Apr 2017
- Fundamentals of Project Planning and Management – Coursera.org - Nov 2017