

Amir Razmi

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Summary

International, dynamic and multi-functional chemical engineer worked in process engineering and also piping & plant design experience in engineering, procurement and construction projects from pre-contract activities, initial conceptual design to detailed design, execution, and closeout.

Worked with vendors, suppliers and contractors closely. Time, cost, quality, resource, contract, and contractor management to emphasizes the company goals and objectives.

Education

M. Sc., Chemical Engineering - Iran University of Science and Technology - 2003–2001

Thesis Title: "Wastewater treatment by electro dialysis" under supervision of Prof. T. Mohammadi

B.S., Chemical Engineering - Sharif Univ. of Technology - 1997-2001

Thesis Title: "Preparation of a software for water treatment" under supervision of Prof. F. Farhadi

Skills

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| ▪ Separation technologies | ▪ Piping and Plumbing | ▪ Proposals/ Cost estimation | ▪ Project management |
| ▪ Wastewater treatment | ▪ Instrumentation/atomization | ▪ Matlab | ▪ Project engineering |
| ▪ P&ID development | ▪ Auto Cad | ▪ Lean Six sigma | ▪ Planning, monitoring and follow-up |
| ▪ Chemical Plant Design | ▪ 3d modeling | ▪ Process simulation | ▪ R&D |

Experience

Courtesy Faculty – Oregon State University – 2017- present

- Wastewater treatment by phytoremediation and bioremediation; Instrumentation and other laboratory methods; Collaboration with engineering leadership academy

Senior / Lead Engineer - Sazeh Consultants (Engineering and Construction) 2008-2016

- Member of plant design supervisory board; Supervision of staff and checking of design; Training and development of personnel; check time schedules and project budgets; execution of project proposals

Projects:

- Bid-Boland Gas Treating Project (NGL extraction Unit) (staffs under supervision: 5)
- PDH Project (Propane Dehydrogenation) (staffs under supervision: 20)
- Iran LNG Treating Units Project (staffs *under supervision: 6*)
- Neka-Jask Pipeline

Engineer & Field Engineer (site representative) - Sazeh Consultants (Eng. and Construction) -2002-2007

- Solve engineering problems raised during construction; Preparation of design documents and calculation

Projects:

- 9th olefin offsite project
- PVC Arvand project
- MD/HDPE ARYA SASOL Polymer Complex
- HDPE Plant Jam Petrochemical Complex

Engineer and Lead Engineer - RADHA Engineering Consultant Co. 2008-2016

- Team building; preparation of documents and specifications; Solve engineering problems of construction

Projects:

- Eshtehard Bitumen Plant (2015-2016) (*Staff under supervision: 3*)
- Lorestan Industrial Polyester Production Plant (2010)
- Bandar Abbas Bitumen Plant (2008-2009) (*Staff under supervision: 2*)

Senior Engineer - Parsikan Iran Co. 2009-2013

- Preparation of design documents and specifications; planning of project time schedules

Projects:

- Kordestan Petrochemical Offsite Plant (2011-2013) (*Staff under supervision: 4*)
- Tabriz-Orumieh Pipe Line (2009) Contains 2 pump stations & 2 receiving terminals (*Staff under supervision: 5*)

Lead Engineer - Arya Petro Gaz Company - 2007

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- Checking of documents prepared by sub-contractor; Evaluation of suppliers and selection final vendors

Project:

- Birjand Storage Farm Project
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Courses and Certificates

- Six Sigma (contains 6 courses) – Alison.com- 2016
 - Operations Management Courses (Contains 8 Courses) – Alison.com-2016
 - Successful Negotiation: Essential Strategies and Skills -Coursera.org- 2015
 - Diploma in Project Management- Alison.com- 2014
 - Piping [Construction] Training Course- Sazeh Consultants- 2012
 - PDMS Training Course- 2009
 - Steam and Condensate System Design- Bashir Paidar Ideh Co (Spirax-Sarco Iran)- 2008
 - Introduction to ASTM- Sazeh Cons.-2004
 - Pinch Technology - Tehran Univ.-2000
 - Process Equipment Design- Sharif Univ.-1999
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Publications

- Modeling of metal ion removal from wastewater by electrodialysis; Separation and Purification Technology 41 (1), 73-82
 - Effect of operating parameters on Pb 2+ separation from wastewater using electrodialysis ; Desalination 167, 379-385
 - Separation of copper ions by electrodialysis using Taguchi experimental design; Desalination 169 (1), 21-31
 - Separation of different ions from wastewater at various operating conditions using ED; Separation and Purification Tech. 54 (2), 147-156
 - Separation of monovalent, divalent and trivalent ions from wastewater at various operating conditions using ED; Desalination 205 (1), 53-61
 - Zinc ion removal from wastewater by electrodialysis; Ninth International Water Technology Conference, IWTC9, 1155-1163
 - A Review to Storage Tank Fields Layout and Piping- 2011
 - Pumps; Definitions and Calculations- 2015
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Lecturers

- Panel member of Cultural Dynamics in Global Business – Oregon State University- Feb 2017
 - Introduction to Piping and Plant Design Department- Sazeh Consultants-2016
 - Piping Design Around Process Equipment- Feb 2015
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