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## *Career Objective:*

To work for a professional organization with a job profile that creates an opportunity for the growth in professional & social responsibilities towards excellence. Also I like to be a part of the team that works dynamically for the growth of the organization in a challenging atmosphere which in turn helps in seeking the challenging career & provides ample opportunities for perpetual learning and growth.

## *Academic Qualification:*

- Post Graduate Diploma in Piping Engineering & Design from MIT Pune University.
- Bachelor of Engineering in Mechanical from Mumbai University, India.

## *Special Achievements:*

- ASME Certified for B31.3.
- Got nominated as Technical Lead for Piping Group in UOP IPL office.
- Lead different technology Projects in UOP as Piping Lead Specialist i.e, Merox, Naptha, Recovery Plus, Callidus, PSA's.
- Received award for successful completion of BORL Penex - Modular project in record time.
- Six Sigma Green belt Certified.
- Gulf Exposure of 2 years.
- Got **D-star** award for making significant contribution on cost savings by proposing change of equipment connection design & also by replacing elbows with cold bends.
- Completed first 100% accountable project of DKC with success and received good comments from client.
- Achieved Value Plus (Cost saving) worth 10,000 USD for Wurtland project. Worked upto 54" piping.
- Got certified for my contribution in PSM (process safety management) for S&P project.
- Familiar with National and International codes & standards, Specifications from reputed Licensors/Clients, like SHELL, UOP, EIL, AXION, DUPONT, ARAMCO, SABIC, JACOBS, FW etc.

## *Experience Summary:*

Over 16+ years of Professional experience in Refinery, Petrochemicals, Oil & Gas industries along with manufacturing experience. The above period includes Gulf Experience as well. My experience involves preparation of FEED Packages, Pre-BID Engineering and Detail Engineering Projects along with direct or indirect Interface with Client, Licensor, PMC, Other engineering disciplines and construction team.

Below is the list of various roles, responsibilities and job profile activities conducted by me during my career

- Preparation of Piping design & Engineering basis for various projects.
- Development of Piping Material and Valve Material Specifications.
- Visits / meetings at plant sites with the client wherever required.
- Development of Plot Plan, Equipment Layout & Piping Layout.
- Preparation of Deliverables, Schedules, Manpower Planning, Progress monitoring and reporting.
- Prepare requisitions to get various vendors on board.
- Review various bidder offers and issued TBA.
- Issue requisitions for various FIMS & review Offers for same.
- Review of piping and instrumentation drawings issued by process.

- Data Sheet for Valves and Piping Special Items.
  - Coordination with Other engineering disciplines.
  - Conduct Model review and generate Tag report at various phases of project i.e, at 30%, 60% & 90%
  - Review of client comments & respond accordingly by either clarifying or by taking appropriate action.
  - Material take-off activities.
  - Preparation & Review of Isometrics,
  - Review EPC Contractors/Vendor Drawings and documents.
  - Review and approve various vendor drawings.
  - Perform Final checkouts at Fabricator shops.
  - Asbuilt.
  - Final data books.
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#### ***Work experience:***

Below are the list of companies along with the tenure and the list of successfully completed projects.

Company: ***Honeywell Uop India Pvt. Ltd.***

Designation: **Advance Mechanical Engineer** & Additional responsibility of **Technical Lead** for Piping Group

Tenure: **June 2014 – June 2020**

#### ***Projects:***

- Client: **Thai Oil.**  
Project: ROG 5 Bed PSA (Hydrogen recovery).
  - Client: **IOCL Gujarat.**  
Project: ROG 6 Bed PSA.
  - Client: **IOCL.**  
Project: Thermal Oxidizer.
  - Client: **IOCL Guwahati.**  
Project: 10-12 Bed PSA (Hydrogen recovery).
  - Client: **BORL Vadodra.**  
Project: Recovery Plus.
  - Client: **BORL Vadodra.**  
Project: Penex (Naptha).
  - Client: **Axion USA.**  
Project: Extractor Plus (Merox).
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Company: ***Kentz Engineering International co. Ltd. S.A.***

Designation: **Piping Design Engineer**

Tenure: **April 2012 – May 2014**

#### ***Projects:***

- Client: **SHARQ.**  
Project: Sharq 3rd expansion project - FEED for Mixed C4 transportation from Sharq to Petrokemya, S.A.
- Client: **Saudi Yanbu Petrochemical Company, Yanpet, Saudi Arabia.**  
Project: Dry Gas Seal Installation Project
- Client: **Saudi Kayan petrochemical complex, Saudi Arabia.**  
Project: MEG transfer Pump

- Client: **Saudi Chevron Phillips Ltd.**  
Project: Benzene import from SATORP to Saudi Chevron Phillips, Saudi Arabia.
  - Client: **Lukoil Middle East Limited, Iraq.**  
Project: Cross-country crude oil pipeline project.
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Company: **Jacobs Engineering Private Limited, India.**  
Designation: Lead Piping design Engineer  
Tenure: May 2006 - Mar 2012

**Projects:**

- Client: **E.I.DuPont India Pvt. Ltd.**  
Project: SO<sub>2</sub> Emission Abatement – Wurtland, Kentucky, USA.  
Services involved were: SO<sub>2</sub>, H<sub>2</sub>SO<sub>4</sub>, cooling water, Instrument air.
- Client: **E.I.DuPont India Pvt. Ltd.**  
Project: S&P – DKC, Shamerpeeth, Hyderabad.  
Services involved were: N<sub>2</sub> gas, chilled water, Hot oil, Compressed air, potable water.

**Other Projects:**

- Bio. E. Ltd
  - Dow Chemical
  - Wockhardt Ltd
  - IGL Panipat
  - Reliance Life Science Pvt. Ltd
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Company: **Uni Abex Alloys Products Ltd.**  
Designation: **Sr. Engineering Executive.**  
Tenure: **April 2004 - May 2006**

**Technical expertise/exposure:**

- Estimation of centrifugally casted tubes & statically casted castings.
  - Came to know about the compositions of various materials.
  - Became familiar with the concept of centrifugal & static castings.
  - Dimensional checking's.
  - Giving instructions to the work man about the shift work.
  - Checking dimensions of casted tubes as per the requirement.
  - Monitoring the pneumatic testing of the tubes.
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**Other skills:**

- Software Skills Exposure : PDMS Review 11.6, Micro station V8i & AutoCAD 2012.
  - Standards : ASME, API, GEP's, ISO & ANSI
  - Computer Proficiency : MS-office suit
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**Personal Details:**

- Nationality : Indian
- Passport : Yes
- Visas : USA B1/B2
- Marital Status : Married
- Languages : English, Hindi, Urdu, Punjabi, Marathi
- Extra-Curricular Activities : Cricket, Table Tennis, Badminton, Running & watching news.

Date:

Name: Kapil Raina