# Professional Summary

Having around 11 years of experience in oil and gas industry in upstream and downstream oil and gas projects in **FEED** and **EPC** which includes offshore production and wellhead platforms, FPSO, FLNG, LNG and Onshore refineries & petrochemicals, oil & gas processing plants.

Currently working with **JGC** **Yokohama**, Japan as Piping Engineer involved in FEED & Detailed Engineering projects. Having good knowledge in piping engineering (Layout, Materials and Stress analysis). Worked with different operating company standards like **PETRONAS, MODEC, SHELL, IOCL, TOTAL, WOODSIDE, ZABSIB.**

# Roles and Responsibilities

* Exhibit excellent Design skills and strong, consistent **leadership** to efficiently deliver documents to both client and company satisfaction.
* Leading a team of engineers and designers for project execution.
* Well conversant with international **Codes** and **Standards** such as **ASTM**, **API**, **ASME**, **NACE** etc.
* Preparing design instructions and standards based on project specifications and client requirements.
* Handled Process Equipment’s like Exchanger, Pump, Vessel, Column, Drum, Storage Tank etc…
* Handled critical Packages like GTG
* Preparing the **Piping Class** **specifications** based on the process PID requirements.
* Review & commenting of **Plot plan**, Equipment **GA**, valve **datasheets**, instruments, piping speciality & Isometrics.
* Preparation of preliminary and intermediate **MTO** at different stages of project.
* Preparing **Piping** **Assembly** **STD**, **Utility** **station** layout, Instrument air layout etc…
* Presenting 3D model at different stages (30%,60% and 90%) in Internal and client **Model** **Reviews**.
* Design and modelling of **Firewater** **Deluge** **system** as per the process safety requirements.
* Preparing study sketches and instructing designers to update 3D model.
* Preparation of **Equipment** **Layout**, support drawings, Piping **GAD** etc.
* Modeling of piping, equipment’s and structures using **PDMS**/**E3D**/**SP3D**.
* Pipe Support tagging & **MDS** modelling for both critical and non-Critical lines.
* Other responsibilities include inter & intro disciplinary coordination, **Manpower** Scheduling.
* Revieing **PID** and Preparing markups as required.
* Piping **Isometrics** and piping GAD checking and Issuance.
* Building **Cats** and **Specs** for piping components, specialities and instrument valves.
* **MDS** supports **customization** as per project requirements.
* Generating Daily **Navis** review model and model data consistency error reports.
* PDMS/E3D **PML** **development**, C# Addins & PMLNet customization.
* Attention to detail, problem-solving skills, and the ability to work on multiple projects simultaneously.

# Work Experience

JGC – Yokohama, JAPAN – From Nov2022 to Current (Deputed from HCL Tech Chennai)

Project: ZLNG

**Role:** Piping Engineer

* Handled Hot water Pumps & Heater Skids, N2 Holder & Compressors Packages and

Chemical Injection skids.

* Preparation of 3D model at FEED and EPC at 60%, 90% stages for project.
* Piping Assembly STD and utility station layout preparation.
* Reviewing and providing comments to equipment Vendor drawings.
* Designing platform for vessels and proving input to Mechanical team.
* Plotplan study, development and Equipment Vendor drawing commenting.
* Preparation of technical reports/instructions in project.
* Isometrics checking

 KBR - Chennai, INDIA – From May2020 to Oct2022

Projects: Plaquemines-LNG | Sangomar-FPSO | Marlim 1-MV33

**Role:** Senior Piping Designer

* Handled LNG **Liquefaction** Train system (LTS modules).
* Area Designer for **Flare** and **KO** **drum** unit and process piperacks.
* Area designer in **GTG** module for developing the fire water network.
* Coordination with vendor and inter-discipline.
* Presented 60% & 90% Model review with client.
* MDS Support modelling and Isometric Issuance.
* Support modelling coordination, guidance, Isometrics back-drafting and issuance.
* E3D MDS Support Coordinator.

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TechnipFMC – Chennai, INDIA – From July2013 to Apr2020

Projects: Coral FLNG | ZAPSIB-2 –PE-Plant | Sasol LCCP Ethane Cracker | JBF

Role: Senior Piping Designer

* Site Query coordination and resolution.
* Isometric and Construction DMS coordination.
* Piping Isometrics coordination and weekly report sending to projects using POWER BI tool.
* Co-ordination with Sub contractor for Tie-in Schedule Preparation and follow-ups.
* 3D model clash check and resolution
* IDC drawing checking from Safety, Inst, electrical, handling, structural teams.
* Instrument (ON/OFF) valves Review & Commenting.
* Co-ordination with Sub Contractor to have clash free Model & resolution.
* Close out of Internal & Client model review comments.
* Auditing and issuing isometrics as per the project schedule
* MDS Support modelling Coordinator

# Achievements

* Developed the piping dead load program in E3D for calculating the Dead weight of piping system and providing input to the structural team. (For ZLNG project)
* Developed Copy Utility in E3D for LTS Modules Copy functions. (For PLNG project)
* Developed loading info tool in E3D using stress summary (For PLNG project)
* Developed SPS utility for project special SPS supports. (For Coral FLNG project)

# Software Skills

* E3D/PDMS, S3D/ SP3D
* AutoCAD, Microstation, Smartsketch
* Navisworks, SmartPlant Review, Review Reality
* C# dotnet, Python, Javascript, cmd & powershell scripts
* Office 365 Apps, PowerBI

# Overseas Experiience

* Yokohama, Japan (Nov2022 to TillDate)

# Educational Qualifications

### 2016 to 2019

Sathyabama Institute of Science and Technology, Chennai, India.

Bachelors in Mechanical Engineering

CGPA 8.3

* 2010 to 2013

CPCL Polytechnic College, Chennai, India.

Diploma in Mechanical Engineering

CGPA 9.1

# Languages Known

English, Hindi & Tamil (Native)

# Personal Details

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