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| **Name** | **:** | Paras Prajapati | **Contact Details:** | | |
| **Profession** | **:** | Structural Design Engineer  (Offshore Oil & Gas) | **Email ID**  **Mobile** | **:**  **:** | [paras.prajapati@inbox.com](mailto:paras.prajapati@inbox.com)  +91 8238926202 |
| **Total Experience** | **:** | 10 Years | **Skype** | **:** | paras\_prajapati |
| **Current Location** | **:** | Ahmedabad, Gujarat |  |  |  |

**Career Synopsis:**

* 10 years of extensive hands on Topside Structure (Primary Steel) design experience of Greenfield and Brownfield offshore Oil & Gas projects with large EPCM organisations. In which 4 Years, I had been involved with project in UK & Norwegian sector of North Sea.
* Experience of FEED and detailed design of Topside structure (Primary Steel) of fixed & floating platforms, FPSO and drillship for all scenarios: In-service (in-place Operating, Storm, Accidental – Blast & Damage) and Pre-service (Installation/lifting, transportation).
* Experience of various heavy structures installations/lifting and transportation design by complying criteria of contractors Saipem, Allseas and Asian Lift. Also I had been involved with design of sea fastening, installation aids and rigging design.
* Conversant with international codes/standards ABS, DNV, API RP 2A, AISC WSD & LRFD, AWS D1.1, NORSOK, EUROCODE, CAP-437, ICAO, Noble Denton, ISO etc.
* Conversant with linear & Non-linear analysis of beam & plate/shell element model for static, buckling, fatigue, vibration etc.
* Conversant with welded & bolted connections design.
* Conversant with fatigue design of connections.

**Software Skill:**

SESAM/Genie, SACS, STAAD-Pro, USFOS, SPACEGASS

Ansys, ABAQUS, Solidworks, MathCAD, Struprog

AUTOCAD, Navisworks

**Educational Information:**

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| Bachelor of Engineering – Mechanical with specialisation in CAD-CAM  [GPA 7.7] | | |
| **Duration** | **:** | July 2002 – June 2006 [4 Years] |
| **University** | **:** | TheMaharaja Sayajirao University of Baroda, India |

**Certificate:**

BOSIET (Basic Offshore Safety Induction and Emergency Training)

Validity – 17 February 2018 to 16 February 2021

Medical certificate for offshore travel:

Validity – 20 February 2018 to 19 February 2019

**Employment History:**

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| **Employer** | **Designation** | **Location** | **Duration** |
| Quanta Process Solutions | Senior Structural Engineer | India | Feb.2018 – March.2018 [2 Months] |
| Sarla Technologies | Lead Structural Engineer | India | July.2017 – Dec.2017  [6 Months] |
| Eilbeck Crane | Structural Engineer | Australia | Aug.2016 – Sept.2016  [2 Months] |
| JV of Shapoorji Pallonj–Oil & Gas And  Bumiarmada Berhad | SeniorStructural Engineer | Malaysia | Feb.2015 – Nov.2015  [9 Months] |
| Aker Solutions | SeniorStructural Engineer | Norway | Dec.2011 – Feb.2014  [2 Years & 3 Months] |
| SMOE (Sembawang Marine Offshore Engineering) | OffshoreStructural Design Engineer | Singapore | Sept.2011 – Nov.2011  [3 Months] |
| Allseas Engineering Services | Structural Engineer (Offshore Heavy Lifting) | India | July.2010 – Aug.2011  [1 Year & 1 Month] |
| Keppel FELS offshore and Engineering Services | Structural Engineer | India | Feb.2007 – July.2010  [3 Years & 5 Months] |
| Larsen & Toubro (L&T) | CAD Engineer, (Structural Department) | India | July.2006 – Feb.2007  [7 Months] |

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| **Quanta Process Solutions, Vadodara** | **Feb.2018 – March.2018** |
| **Senior Structural Engineer** |  |

**Working on project:**

* MOPU (Mobile Offshore production Unit) Upgradation – AMNI International, Nigeria

(Project is on hold)

**Job Responsibilities:**

As a senior structural Engineer, I had performed following duties;

* + Prepared project documents design basis, material specification, document control list.
  + Study FEED documents which was done by Worley Parsons and finalised work scope for detail engineering.
  + Coordination with client
  + Review vendor documents
  + Prepared offshore survey report.

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| **Sarla Technologies, Mumbai** | **July 2017 – Dec.2017** |
| **Lead Structural Engineer** |  |

**Working on project:**

* SLOP oil Treater Package – Kuwait Oil Company

**Job Responsibilities:**

As a Lead structural Engineer, I had performed following duties;

* + Performed calculations and analysis for package structure and prepared analysis reports.
  + Reviewed 3D model and drawings.
  + Coordination with other discipline and client.
  + Resolved Client’s comments.

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| **Eilbeck Cranes, Sydney Australia** | **Aug. 2016 – Sept.2016** |
| **Structural Engineer** |  |

**Job Responsibilities:**

As a structural Engineer, I had performed following duties;

* + Performed calculations and analysis for overhead crane girder and runway analysis. Also performed monorail design.
  + Reviewed crane girder structural drawings.
  + Estimated steel weight for bidding.

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| **JV of Shapoorji Pallonji–Oil & Gas**  **And Bumiarmada Berhad – Kuala Lumpur, Malaysia** | **Feb. 2015 – Nov.2015** |
| **Senior Structural Engineer** |  |

**Worked on project:**

* Husky – CNOOC Madura FPSO

**Job Responsibilities:**

As a senior structural Engineer, I had performed following duties;

* + Assisting Lead engineer to prepare design basis, material specification, weight control report & Standard details drawings.
  + Reviewed Topside Modules structural (Primary, Secondary & Tertiary) design report and drawings to comply with codes and quality system. Also review SACS analysis model.
  + Reviewed equipment vendor design documents and drawings.
  + Assisting Lead Structural Engineer & coordination with engineering contractors.
  + Attending project and equipment vendor meetings.
  + Resolved TQ raised by contractors.

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| **Aker Solutions, Norway** | **Dec. 2011 – Feb. 2014** |
| **Senior Structural Engineer** |  |

**Worked on project:**

* Statoil Kristin LPP (Low Pressure Production) modification, Norwegian Sea
* Statoil Gullfaks South Oil Recovery Topside modification, Norwegian Sea

**Job Responsibilities:**

As a senior structural Engineer, I was responsible for design of 960 tonne Kristin LPP compression module’s;

* + Installation aids - installation guides, protection structure to protect platform structure during installation and fine alignment guide pin & bucket structure to set down the module within decided location within tolerances. Also evaluate strength of existing platform structure for installation loads.
  + Critical structures identified as HAZOP by HSE team - container laydown area and protection structure to protect the module from crane boom falling accidental case. Non-linear analysis had been performed by using USFOS.
  + Jacking analysis to remove crush tubes which were used to absorb energy during module set down as the platform deck had no capacity to bear high set down/installation loads.
  + Evaluation of primary structure connections for fatigue.
  + Assessment of existing platform structure for installation scenario.

Also I had been involved with various topside structure strength assessments for Gullfaks Platform-A topside modification for oil recovery by using STAAD-Pro.

In addition to above, I had performed following duties too;

* + Prepared calculations & analysis reports for module’s installation aids.
  + Reviewed drawings and design reports of module’s sea fastening and grillage structure.
  + Prepared offshore survey package for module installation to avoid onsite issues for installation aids.
  + Provided assistance in preparing DFI (Design Fabrication and Installation) report.

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| **SMOE (Sembawang Marine Offshore Engineering), Singapore** | **Sept. 2011 – Nov. 2011** |
| **Offshore Structural Design Engineer** |  |

**Worked on project:**

* ConocoPhillips Ekofisk 2/4L Living Quarter, Norwegian Sea

**Job responsibilities:**

As a structural Engineer, I was responsible for design of 280 tonne Emergency generator module which is outside the main module. I had performed following duties;

* + Performed structural analysis and calculations of module structure for scenarios in-place, transportation, installation/lifting and accidental by using SESAM.
  + Performed rigging design for module like lifting pad eyes, shackles, slings and spreader bar. Also performed design of spreader bar supporting structure and sling lay down platform during transportation from Singapore to the Norwegian Sea.
  + Performed local design of equipment supporting structure.
  + Prepared calculations & design reports for module.

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| **Allseas Engineering Services, India** | **July 2010 – Aug. 2011** |
| **Structural Engineer (Offshore Heavy Lifting)** |  |

**Worked on project:**

* + Shell Brent field’s Delta platform decommissioning FEED study, North Sea

**Job Responsibilities:**

As a structural Engineer, I had performed following duties;

* + Strength assessment of the MSF (Modules Supporting Frame) and topsides modules for various decommissioning phases mainly fork lift and transportation by using SESAM.
  + Sea fastening calculations for topside during transportation pahses. The topside need to be trasported to dismantling yard in two phases: First is from offshore site to near the dismantling yard by ’Pieter schelte’ due to vessel draught limitation. Then from nearby dismantling yard to yard by barge.
  + Prepared calculations and analysis reports.
  + Provided technical guidance to junior structural engineer.
  + Interdisciplinary check of analysis reports and drawings.

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| **Keppel FELS offshore and engineering services, India** | **Feb. 2007 – July 2010** |
| **Structural Engineer** |  |

**Worked on projects:**

* + Transocean semisubmersible rigs – Upgradation project

(Helideck & living quarter, Engine house module, life boat foundation, Crane boom rest, Mooring Equipments support & various equipment support design)

* + Seadrill semisubmersible drilling tender – Greenfield project

(Crane pedestal & boom rest, Drill pipes rack & Mooring equipments support)

* + Seadrill drillship – Upgradation project

(Drill floor equipments support & various equipment support design)

* + Seadrill Jack-up rig – Greenfield project

(Mud process module, Crane pedestal & boom rest, Mooring Equipments support & various equipment support design)

* + EMAS FPSO – Conversion project

(E-House module & flare tower)

**Job Responsibilities:**

As a structural Engineer, I had performed following duties;

* + Performed structural analysis and calculations of topside structures for scenarios in-place, transportation, installation/lifting and accidental by using SESAM.
  + Prepared calculation and design reports.
  + Reviewed structural drawings and design reports to comply with client requirements and quality system.
  + Performed design of following structure installations in fabrication yard by onshore gantry crane when platforms are in dry dock.
* Pontoon extension & Column blister of semisubmersible rig
* E-House module of FPSO.
  + Performed design of following topside structure installations on various platforms in fabrication yard by Asian lift barge cranes Asian Hercules when platforms are out of dry dock.
* Living quarter & Helideck and Engine module of semisubmersible rig
* Mud process module of jack-up drilling rig
* Flare tower of FPSO.
  + Performed rigging design like lifting pad eyes, shackles, slings and spreader bar.
  + Performed sea fastening design for some topside structure transportation by barge from island fabrication unit to final assembly location in yard.
  + Coordinated with Lead Engineer & Head of Department.
  + Coordinated with Clients for design approval.
  + Participated in all aspects of planning, design and production of engineering designs and equipments.
  + Provided engineering support to fabrication yard.
  + Took part in risk assessments with HSE department for the projects. During risk assessment, concerned area of hazardous had been identified and discussed the solution so that project can comply safety rules and regulations.

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| **Larsen & Toubro (L&T), India**  **(Marine and Ship design department)** | **July 2006 – Feb. 2007** |
| **CAD Engineer, Structural Department** |  |

**Worked on project:**

* Meduim size Cargo carrier.

**Job Responsibilities:**

I had performed following duties;

* + Provided detail engineering of cargo career vessel by using TRIBON.
  + Provided production documents like MTO, cutting plan, nesting etc
  + Provided assembly sequence sketches for sub assembly and main assembly.

**Personal Information:**

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| **First Name** | **:** | Paras |
| **Last Name** | **:** | Prajapati |
| **Gender** | **:** | Male |
| **Date of Birth** | **:** | 19th August, 1984 |
| **Marital status** | **:** | Married & One child |
| **Nationality** | **:** | Indian |
| **Address** | **:** | G102, Pramukh Oasis  Near Sargasan Cross Road  Gandhinagar  Gujarat, India.  Pincode : 382421 |
| **Known Languages** | **:** | English  Hindi  Gujarati |

**References:**

Reference details will be provided on request.