

PRASANTH JUSTIN

**RETCHAKAR STREET,KANNYAKUMARI,TAMILNADU , INDIA**

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# Summary

**Having 4 years of experience the maintenance sector of Oil well Drilling Rig Operations.**



## PROFILE

* Excellent exposure to theoretical and fundamental aspects of the oil and gas drilling industry.
* Motivated to learn and update key skills to be fit for the industry.
* Quick to learn and adapt to new and challenging work atmosphere.
* Trouble shooting and finding apt solutions.



## EDUCATIONAL CREDENTIALS

### **•** Bachelor in Mechanical Engineering(2009-2013) 65% ANNA UNIVERSITY, CHENNAI, TAMILNADU, INDIA

* **NDT (welding inspection course)**
* **STCW SAFTY COURSE INDOS NO:**14ZL1607 (OFFSHORE OIL AND GAS)
* **H2S & BREATHING APPARTUS CERTIFICATION FOR OIL AND GAS**
* **FIRE & SAFTY FOR OIL AND GAS**
* **IADC CERTIFICATION COURSE**



**WORKING EXPERIENCE**

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| **COMPANY** | **Designation** | **DURATION** | **LOCATION** |
| **NATIONAL DRILLING COMPANY** | **Rig mechanic** | **NOV 2014 TILL DATE** | **Abu Dhabi**  **(ONSHORE AND OFFSHORE RIG)** |
| **RELIANCE ENGI-**  **NEERS ( TECHNO**  **MECH)** | **Mechanical maintenance technician** | **JUN 2013 to OCT 2014** | **ONGC**  **OFFSHORE** |



**SKILL SUMMARY REPONSABLITY :**

## Generator engine 3512C 3516C 3512A( caterpillar )

* Maintaining main engine activities experience in CATER PILLER 3512A.
* Service engine every 1000 hours . change oil change oil filter ,diesel filter, air filter.
* Engine valve lash every 2000 hours
* Well versed with problems and trouble shooting in engines ,Well experienced trouble shooting in Engines.

**Mud pump( reciprocating pump 5000 psi) ( GARDNER DENVER) (**BOMCO)

* Experience in maintenance and overhauling mud pump
* Change oil and repair water coolant pump
* Every 6 months inspection for mud pump main bearing , connecting rod bearings, pinion shaft bearing , cross head bearings, cross head liner clearances, gear back lash
* repair and Change pulsation damper bladder

**RIG ERECTION**

* well experience how toassemble build up land drilling rig
* well experience how to fix all rotating equipment’s in rig

## Centrifugal pump(mission pump)

* Perform daily inspections and maintenance of centrifugal mission pump
* Dismantling and reassembling of all centrifugal and reciprocating pumps i.e single and multi stage, vertical and horizontal, split and also barrel type. Involved in repair and change activities such as mechanical seal assembling and aligning the pump

### Air compressor (Ingersolrand Quincy 100 hp)

* Overhauling air and gas compressor both rotary as well as reciprocating. Suction and discharge valves as well as maintenance of lube oil circuit and coolers.

### Draw works (National 80UE) (BOMCO) 2500HP

* Change break band , pneumatic clutch , chain
* Change hydraulic break cylinder and adjust
* Check air line connection and repair

## Top drive (TDS 11SA)

* Perform daily inspections and maintenance of top drive. Hydraulic line,
* Well experienced in overhauling of top drive TDS.

**Koomeyunit( hydraulic accumulator )**

* Perform daily inspections and maintenance of koomey unit
* Repair and change bladder, and filling nitrogen gas to cylinder. Service pneumatic pump and plunger pump
* Well experienced in BOP service and overhauling

## Hydraulic jack unit

* Perform daily inspections and maintenance of hydraulic jack engine
* Check hydraulic oil and fill. Service jack engine every 500 hours
* Operating jack unit in rig move time . mast up down and power trailer up down **kelly (Varco)**
* Perform daily inspections and maintenance Kelly
* Well experience in overhauling and change wash pipe. Kelly spinner. Fill oil Kelly spinner

## Gas turbine generator

* Carried out preventive maintenance on their accessories and combustion chambers, gas fuel valves, air start motors, injectors, pre/post lube pump, changing air and fuel filters, maintaining log book and change over unit be feeding password in case of an emergency during the operation

**Valves**

* Overhauled all types of valves like safety and relief valves, Pressure and vacuum valves, Compressor valves etc. and hydro Others
* testing of the same at the required set pressure. Also worked on ball valves, Gate valves and check valves, Pressure safety valves. \

**Others**

* Well experience and Repair and service **agitator** gear box
* Well experienced in **air motor**, **air winches** and troubleshooting all the equipment.
* Well experienced repair and change rig floor mechanical **sensors**
* Plan and coordinate with other departments prior to any major activity such as rig moves
* Sounding For ALL TANKS (Drill Water ,Diesel, Cement, Potable Water, Braine,)
* Documented daily repair and PMS for All Equipment’s
* Daily Report For Cylinder Temp, Engine Report, Compressor (Temp, hours),Water maker Check list, STP

UNIT ,Sounding For All tanks Over All Components Check List ,Inventory Sheets For Materials



## PROFESSIONAL ACHIEVEMENTS

Undergone Final-project titled “**vertical axis wind mill generator**”.

**PROJECT DESCRIPTION**

VAWTs situated close to the ground can take advantage of locations where [mesas,](http://en.wikipedia.org/wiki/Mesa) hilltops, ridgelines, and passes funnel the wind and increase wind velocity



**TECHNICAL AND SPECIALIZED SKILLS**

* Good knowledge in MS Office (**excel, power point, ms word)**.
* Auto cad
* ,soild works (design software)



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| **PERSONAL PROFILE** |  |
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| **Date of Birth** | **: 8th Dec 1991** |
| **Sex** | **: Male** |
| **Marital Status** | **: Single** |
| **Religion** | **: Christian** |
| **Nationality** | **: Indian** |

**Languages Known : English, Tamil, Malayalam, understand hindi , arabic**

**Father’s Name : Mr. Justin**

**Mother’s Name : Mrs. Ladisca**

**Permanent Address :8/78A RetchakarStreet ,Kanyakumari- 629702 , Tamilnadu,India.**

**Passport No :L6437656**



**DECLARTION**

**I certify that the above information given by me is true to the best of my knowledge. If given a chance I will work with all my effort for the growth of the organization.**

**Place :**

**PRASANTH JUSTIN Date :**