**Curriculum-vitae**

**Nikhil**

Service Engineer – Instrumentation

National Oilwell Varco - Dynamic Drilling Solutions

Ghala, Muscat, Sultanate of Oman

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Seeking the position of **Electronics and Instrumentation Engineer** with reputed organization where my knowledge and experience can be utilized to the maximum potential.

**CAREER CONSPECTUS**

* 8 years experience as **Instrumentation Engineer** in Oil & Gas, Mining and Power Generation industry.
* Hold a **Bachelor’s Degree in Engineering (B. Tech. –Applied Electronics &Instrumentation).**
* **MBA in Sales and Marketing** from **Sikkim Manipal University**, India.
* Hold a valid **Driving License (UAE, Oman & India)** and willing to travel extensively on short notice.
* Designing and commissioning of **SCADA** systems(NOV RigSense) and PLC based control systems, for monitoring and optimization of ADR (**Automated Drilling Rigs**) in **Onshore platforms** as per **PDO** & Occidental Petroleum **(OXY)**standards.
* Experience in designing and commissioning of **DCS (ABB 800xa)** for cement plant automation.
* Installation and commissioning of all types of **field instruments** and sensors used for Oil and Gas applications (**Flow metering systems**, level, temperature, pressure, hook load sensors, load cells etc)
* Experience in design and commissioning of PLC based control systems (**Allen Bradley Micrologix 1000, Siemens S7 200, S7 300**) as per **DEWA** standards.
* Experience in Server management, Router configuration, Real time monitoring and optimization of onshore drilling rigs by providing **WITS signal** to mud logging department.
* Experience in design, installation & commissioning of Wind Turbines (S52-600 KW,S66-1.25 MW,S82-1.5 MW & S88-2.1 MW) all over India.
* Experience in designing Instrument Loop Diagram’s (**ILD**), Piping& Instrumentation Diagram’s (**P&ID**)

using **AutoCAD** as per international standards(**OXY,PDO,DEWA,SAES,SAMSS** standards )

**EMPLOYMENT SUMMARY**

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**National Oilwell Varco – Dynamic Drilling Solutions, Muscat, Oman**

(March 2014 – Present)

Designation: Service Engineer – IMO (Instrumentation, Monitoring & Optimization)

1. Design, programming and commissioning of **SCADA** systems (RigSense), for the full automation of Automated Drilling Rigs (ADR) in **onshore** platforms as per **PDO & OXY** standards.
2. Installation and troubleshooting of PLC based panels for controlling mud pump

(Allen Bradley Micrologix 1000, Siemens S7 200, S7 300)

1. Independently handling the projects of Onshore ADR (**Automated Drilling Rigs**) , owned by **Ensign International Energy Services** in **Mukhaizna** oil field, **Occidental Petroleum** ,Oman .
2. Installation and commissioning of various **field instruments** used for Oil and gas applications (**Flow metering systems, level, temperature, pressure, hook load sensors, load cells etc**. )
3. Router configuration and real time monitoring of drilling operations , by providing **WITS signals** to the mud logging departments.
4. Responsible for server management and real time optimization of the drilling data.
5. Commissioning and calibration of **gas detection systems** (H2S, LEL and CO2 ) as per oil field HSE standards.
6. Project documentation as per **PDO** & Occidental Petroleum (**OXY Oman**) standards.
7. Installation and programming of electronics drilling recorders and auto drillers.
8. Responsible for all the NOV assigned projects. (**Occidental Petroleum Project,Mukhaizna,Oman**)
9. Scheduling and coordinating with technicians and supervisors, for the timely completion of the project, within the deadline.
10. Coordinating with the global customer support team, for troubleshooting and timely accomplishment of the project.



**Abdul Karim Holdings, East West Intl, Dubai.** (June 2013 – February 2014)

**Designation: Technical Sales & Application Engineer - Instrumentation**

1. Review customer specifications and develop complete technical plus commercial proposals for RTU

(Hunter Watertech) , Variable frequency drives, level transmitters(Ametek Drexelbrook,USA ) ,

**Flow metering systems** (EMCO Flow systems ), safety relief valves(Leser Germany ), annunciator’s

(Ametek Power Instruments, USA ) etc.

2. Preparation of technical and commercial proposals for oil and water separator’s, industrial waste

water treatment systems as per **Saudi Aramco standards**. (**SAES, SAMSS)** **.**

3. Review SLD, P&ID, power layouts**.** Resolving the Technical Queries (TQs) raised by contractors and

preparing techno commercial proposal as per customer requirements .

4. Maintain expert level of product knowledge and application. Preparation of Technical requisitions &

bid evaluation

5. Provide design and development support to consultants, integrators, and distributors.

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**Binani Industries Ltd, Dubai -UAE**

**(May 2011 – May 2013)**

**Designation: Instrumentation Engineer.**

1. Design, configuring and On Site commissioning of DCS (ABB 800xa) andfully automated PLC based control panels. (**Allen Bradley’s Micrologix 1000 , Siemens S7 200 , S7 300** ) as per **DEWA** standards.
2. Installation, on site commissioning and troubleshooting of Variable Frequency Drive’s (ABB ACS 350 ,ACS 550, Telemecanique Altivar 31 etc. ) .
3. Design, review and modification of electrical drawings, termination schedules, Instrument Loop Diagram’s (**ILD**), Piping& Instrumentation Diagram’s (**P&ID**) etc.
4. Experience in designing Electrical and Instrumentation control system drawings by using **AutoCAD** software as per **DEWA standards.**
5. Installation, programming and calibration of all types of sensors such as level sensors ( ultrasonic, radar ), flow transducers ( magnetic, vortex ), temperature transmitters ( RTD & Thermocouple ) and pressure sensors ( pressure transmitters, pressure switches ).
6. Coordinating projects for the set up standards with accountability for strategic utilization & deployment of available resources to achieve organizational objectives.

**Suzlon Energy Ltd, Pune, India. (July ’2010 – Feb 2011)**

**Designation: Instrumentation Engineer (Operations & Maintenance – O&M)**

1. Installation and commissioning of the **Wind Turbines** (S52-600 KW, S66-1.25 MW, S82-1.5 MW

& S88-2.1 MW) all over India.

2. Design, programming & on site commissioning of **Variable Frequency Drives** (Telemecanique

Altivar 31) used for the pitch control of Wind Mill rotor blades.

3. Coordinating with the central design team for installing **Automatic Pitch Lubrication** Systemfor Wind

Turbines.

4. Coordinating with site engineers, for any kind of modification required in control panels and

and troubleshooting SCADA system related issues .

5. Successfully implemented development projects at the site.

**ACADEMIC QUALIFICATIONS**

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| **2005 -2009** | **Bachelor of Technology in Applied Electronics and Instrumentation** | **Kerala University, India** |
| **2014 - 2016** | **MBA – Marketing** | **Sikkim Manipal University, India.** |

**TRAININGS ATTENDED**

* Undergone training in Server management , Router configuration and other NOV systems from National Oilwell Varco , Middle East Head Quarters , Jebel Ali , Dubai , UAE
* Undergone Certified Training in PLC Programming, SCADA and DCS from Prolific Systems, Bangalore.

**ACADEMIC PROJECT**

Title: Phase measurement using Digital Phase Locked Loop (PLL) .

Institution: **VSSC, Indian space Research Organization (ISRO), Trivandrum, Kerala, India.**

Phase measurement using Digital PLL is an electronic circuit used for measuring the

strength of Ionosphere.

**PERSONAL DETAILS**

Date of Birth : 23rd April, 1987

Nationality : Indian

Status : Married & father of a daughter .

Languages Known : English, Hindi, Tamil and Malayalam.