

TARAQ KAMDAR

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 Nationality: German
 Date of Birth: 06.Oct.1986



WORK EXPERIENCE

Position **CONTROLS ELECTRICAL ENGINEER**

Company ONESUBSEA, A SCHLUMBERGER COMPANY, CELLE, GERMANY

Date FEB 2012 - PRESENT

- Developing and reviewing documents such as: Piping & Instrumentation Diagrams (P&IDs), Functional Design Specifications (FDS), Cause and Effect Matrix, Processing systems operational scenarios, FAT procedures, FIT procedures, Installation and Operation and Maintenance (IOM)
- Working with High-Integrity Pressure Protection System (HIPPS) and with high voltages AC/DC electrical power supply to subsea systems as per standards IEC 61508 & ISO 13628-6
- Performing assembly, testing, installation and commissioning of controls production systems equipment such as Control panels with PLC & HMI systems as per IEC 1131-3, Control Modules with Controller Boards and IO Boards as well as Transmitters (Pressure, Temperature & Flow) for all SIIS (Subsea Instruments Interface Standardisation) Level-2 devices working in accordance to CANopen protocol CAN in automation CiA 309 & CiA 443 as well with Modbus, profibus and TCP/IP
- Working Knowledge of Electrical Circuit Diagram, Design files with Back-end pin structure its preparation and setup.
- Focal point of contact for the internal & external customers and project teams, for technical clarifications and queries (TC&Qs)
- Leading the root cause analysis; providing clarification of the failure through failure modes and effective analysis (FMEA).
- Executing and taking the full responsibility of technical risk assessment (in accordance to HSE) with mitigation in place on the investigations and resolution of issues that are ongoing.

SKILLS

Programming & Development Siemens Simatic S7-300 & TIA Portal (Programming in ST, FBD, SFC, LD), VISpro (Linux based Visual system); Basic – C++, HTML, Javascript and Python
 LabVIEW, MATLAB, SIMULINK (Basic)

Test Tools Industrial automation/communication protocols (CANopen protocol CAN in automation CiA 309 & CiA 443, Modbus, Profibus, RS 232/485, Ethernet TCP/IP, HART); CAN Test tools (CANdo; CANalyser; CANoe); Data historian OSIsoft PI, Exceed (Remote Access) and Matrikon OPC.

University JACOBS UNIVERSITY, BREMEN, GERMANY

Date JUL 2010 - JAN 2011

- Adapting existing technical solutions and developing system architecture for Robotic Applications and Behavioural sciences with scientific instruments and sensors.
- Hardware & Software design and development as well as interfacing solutions between peripherals for Data Acquisition & analyzation with ATI Force Transducer, LabView, Matlab & C.

Position **PROJECT ENGINEER**

Company HMPL GROUP (SIEMENS SYSTEM HOUSE), AHMEDABAD, INDIA

Date JUL 2008 - JUN 2009

- Determining project specification for Installation and communication for Industrial Automation panels Devices along with PLCs (S7-300), HMI (OP7), and SCADA (Win CC)
- Executing and supervising Onsite for troubleshooting and commissioning activities as per customers' requirements.

EDUCATION

Master Degree **MASTER OF SCIENCE IN ELECTRONICS ENGINEERING (M.SC. EE)**

University UNIVERSITY OF APPLIED SCIENCES, BREMEN, GERMANY

Date OCT 2009 - NOV 2011

Master Thesis: **ANALYSIS & PROCESSING OF DATA RELATED TO FINE FINGER FORCE & EYE MOVEMENT VISUALISATION.**

University JACOBS UNIVERSITY, BREMEN, GERMANY

Date FEB 2011 - OCT 2011

- Evaluation and analyzation of different possible solutions i.e. Practicability, User Friendly, Modification & Appropriate Solution for analog and visual data
- Integration of different peripheral devices i.e. Force Sensors, Eye- tracker with its measurements.
- Interfacing between this peripherals for Data Acquisition with software i.e. LabView, Matlab, C.

Bachelor Degree **BACHELOR OF ENGINEERING IN INSTRUMENTATION & CONTROL (B.E.)**

University SVIT, VASAD, GUJARAT, INDIA

Date AUG 2004 - JUN 2008

Bachelor Thesis PLC-SCADA BASED AUTOMATIC PLANT FOR LEVEL, FLOW & TEMP. CTRL

Company NCVT, AHMEDABAD, GUJARAT, INDIA

Date JAN 2008 - JUN 2008

- Sensing of Physical Parameters by sensor RTD-Pt Probes, Level limit switches and Flow indicators along with acquiring data from PLC in various digital and analog forms.
- Analysing the Level, flow and temperature from the SCADA (Wonderware) Process Design

PROFESSIONAL SKILLS

- Working with a large amount of information, its structuring and analyzation of critical data
- Strong sense of process orientation and problem-solving at both strategic and functional level
- Ability to co-ordinate multiple tasks/projects with various depts. and at client end as well.
- Knowledge of International Oil & Gas production standards (ISO 13628-6 & IEC 61508)

TECHNICAL SKILLS

- Understanding of PLC and Ladder Programming
- Working knowledge of version/source control through Git and GitHub
- Interfacing OPC and ICSS (DCS) tagging through various specification tags.

Office tools:

Autodesk Inventor, Optimus, SAP R/3, Livelink, Kottos, Microsoft Visio, Mac OS, Linux (Debian & Kde) & Windows OS; Libre, Open & Microsoft Office; Mac office; LaTeX

LANGUAGE SKILLS

Hindi and Gujarati - Mother Tongue

English - C2 (Business Fluent)

German - B2 (Intermediate)

Russian - A1 (Learning)

ADDITIONAL INFORMATION

- Experience in working with Raspberry Pi for creating web server.
- Experience with setting up Lightning Node on Raspberry Pi 4.
- Learning Solidity, Rust and Vyper for smart contract verification and development.
- In-house trainings like:
 - Alarm rationalisation, SAFOP and HAZOP studies
 - Project execution, business communication and cost savings
 - 6 Sigma Yellow Belt (Process Improvement Workshop)
- Employment Projects history: BP PSVM, Nexus Longtom, Pemex Lakach, BP GFR, Husky Liwan, ONGC, Chevron Captain and Petrobras Global 10K & Global Mux
- Have B class German Driving license