

RAHUL NOLKHA

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Vision & Objective

I want to pursue a challenging, innovative and inspiring career in an organization which will utilize my team spirit, individual excellence and knowledge base to contribute to companies as well as personal growth, keeping company's interest in the forefront.

Work Profile

- **M/s. Ennovate Computer Software & Consulting Pvt. Ltd. (Client: Honeywell Technology Solutions Lab Pvt Ltd. Bangalore)**
Position: Sr. Engineer from August 6th, 2020 to till date
- **M/s. Rajasthan Spinning & Weaving Mills Ltd. (L.N.J. Group): Thermal Power Plant – 2*23 MW**
Last Position: Sr. Engineer (C&I) from September 6th, 2014 to August 4th, 2020

Working Experience

- ❖ **M/s. Ennovate Computer Software & Consulting Pvt. Ltd. (Client: Honeywell Technology Solutions Lab Pvt Ltd. Bangalore)**

Position: Sr. Engineer from August 6th, 2020 to till date.

Technology: Virtual Reality (IFS-Immersive Field Simulator with OTS-Operator Training Simulator)

➤ Work Exposure:

- Work as system, integration, functional tester.
- Take requirements, user stories/acceptance criteria and translate them to test cases & prepare test strategies to execute test cases.
- Do sanity checks & PCT (performance & capacity test) & Perfmon test.
- Working knowledge of agile development practices including continuous integration and SCRUM
- Ensure proper availability/set up of test beds for the testing purpose.
- Model creation in OTS (operator training simulator) server as per the conditions (initial/steady state) & snapshots (backtrack/overlay).
- Overview & logic creation in Honeywell DCS Experion PKS 511.
- Report testing progress & results.
- Review user guides/documentations to assure quality of product.
- Capturing & reporting any defects/PAR for the anomaly throughout test execution.
- Communicating the results of tests & analysis back to the development team.
- To verify that all testing has been completed and conditions have been met for deployment of the release.

➤ Software Exposure:

- JIRA
- Confluence

❖ M/s. Rajasthan Spinning & Weaving Mills Ltd. (L.N.J. Group): Thermal Power Plant – 2*23 MW

Last Position: Sr. Engineer (C&I) from September 6th, 2014 to August 4th, 2020.

The complete maintenance of Thermal Power Plant including STG, Boiler, AHP, CHP, BOP and along with auxiliaries which is being controlled & monitored using **Distributed Control System (DCS)** of M/s. Siemens India Ltd.

- Turbine : BHEL (With 3 Extraction)
- Boiler : IJT, AFBC Type (105 TPH)
- DCS : Siemens India (**SPPA T-1000**)
- PLC : GE Fanuc (Model: **CPU001**)
- AHP : Indure Private Ltd.
- ACC : Paharpur Cooling Tower.

➤ **Work Exposure:**

- Worked as per SOP, Follow OH&S guidelines in each activity.
- DCS system availability, software/hardware troubleshooting (controllers, I/O), new logic modification/creation (Siemens India **SPPA T-1000**) from SAMA/functional block diagrams.
- Modification/Design graphics from sketches/P&IDs/snapshots in SCADA.
- Installation, linearity checking & simulation of vibration probes with TK-3 simulator (Make: **GE Bentley Nevada 3500**).
- Exposure of loop checking, analyzing the problems, scaling of ranges in functional blocks.
- Troubleshooting & maintenance of governor (Make: **Woodward 505**), I/H converter (Make: **Voith**) & control valve stroke calibration for turbine control.
- Testing of implemented control logics & graphics & troubleshooting while testing.
- Calibration of weigh bridge system (Make: **Mettler Toledo**) & troubleshooting for belt weigher system (Make: **IPA**).
- Troubleshooting and calibration of pressure, flow, level transmitters, pressure switches, temperature switches, RTD's, thermocouples, pressure gauges, oxygen gas analyzer (Make: **Yokogawa**), SO_x/NO_x analyzer (Make: **Opsis**).
- Cable route planning, scheduling, laying and termination.
- Execute both units annual overhauling work.
- Having good knowledge in studying of process and instrumentation flow sheet & diagrams, I/O listing & cable schedule.
- Knowledge of basic instrumentation such as: Gauges, ZSS, BSS, Pull Cord Switch, etc.
- Quite clear concepts of operation interlocks.
- Troubleshooting & maintenance of Ash Handling Plant (Make: **IPL**) and Coal Handling Plant.
- Calibration & overhauling work of pneumatic control valve (Make: **IL, Forbes Marshall, AUMA**).

Achievements & Projects

- Commissioning, Installation & Calibration of CEMS (Continuous Emission Monitoring System) for the measurement of gas analysis (SO_x/NO_x) (Make: **Opsis**; Model: **AR600S**).
- Migration of DCS Hardware Module from RX-220P to ET-200M for Unit#2 (Make: **Siemens India Ltd.**)
- Logic Building in DCS for 11KV MV Drives for Boiler Feed Pump's (Make: **ABB**; Model: **ACS580**).
- Logic Migration of Boiler Feed Pump from one controller to another.
- Attended DCS (**Siemens SPPA-T1000**) Training.
- Installation & calibration of Oxygen Analyzer Probe (Make: **Yokogawa**)
- Installation of Feed Control Valve & Start up Vent (Make: **IL**).
- Installation & Calibration of Dust & Opacity Analyzer (Make: **LKS Malaysia-D10**).
- New Battery Bank Commissioning for Hirel UPS 2*25KVA (Make: **Exide 2V 200Ah OPZS Type**).

Academics

	Course	University/Board	Aggregate Percentage	Year of Passing
Graduation	B.Tech (Electronic Instrumentation & Control)	RTU, Kota	66.07%	2014
Senior Secondary	XII	CBSE	64.4%	2010
Secondary	X	CBSE	72.0%	2008

Industrial Training & Project

Industrial Training:

- Organization : Ultra Tech Cement Limited, Unit: Aditya Cement Works, Adityapuram, Shambhupura Chittaurgarh (Rajasthan)-312622
- Field : Role of Control & Instrumentation Department in Process Industry.
- Duration : 45 Days (June 1st, 2013 to July 15th, 2013)

Project:

- Automatic Vehicle Parking System - RFID (Radio Frequency Identification)

Extracurricular Activities

- Secured 1st position in "1st Group Kaizen Competition" held at group level.
- Secured 1st position in G.K. Quiz competition held at school level.
- Appeared for SSB at "Air Force Selection Board, Dehradun".

Computer Proficiency

- Software Packages: ERP (AS400, Infor M3), Lotus Note 8.5 (IBM), Bosch Recording Station, Windows (7/10), MS Office Package, Outlook.
- Explore PC Hardware, CCTV system and their troubleshooting.

Personal Details

Father's Name: Mr. Ram Prasad Nolkha
Gender: Male
Date of Birth: June 11th, 1992
Marital Status: Single
Nationality: Indian
Languages Known: English, Hindi
Salary: Negotiable

I do hereby declare that the information given above is true and to the best of my knowledge and belief.

Place: Bhilwara

Date: February 12th, 2021

RAHUL NOLKHA