## **Tinku Shrivastava**

At - O.P.M Colony H – 16, Via – Brajrajnagar, District – Jharsuguda, Orissa -768216

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**8 YEARS RICH EXPERINCE IN VARIOUS TYPES OF PLC, INSTRUMENT, IT & MNT. WORK in Thermal Power Plant.**



## **CAREER Objective**

Dear Sir,

I am writing to express my interest for a suitable post in your organization as per my profile. Please find enclosed a copy of my CV.

An articulate **PLC Programmer** and technical support provider with an experience of **8 years** in IT security management, Process Automation, PLC Programming & Maintenance, SCADA Programming Trouble shooting, Instrumentation, Start up and Shutdown. **KEPCO KPS in Vedanta Aluminum Co. Ltd, Jharsuguda 9x135MW Thermal Power Plant as an Engineer in PLC Automation Field of Main plant & BOP**. From 2010 Aug to 2014 April & **Power Mach Project Limited, O&M to Jindal India Thermal Power Ltd 2x600MW Thermal IPP at Derang, Angul, Orissa**, April 2014 to Sept 2014 .**OEG RR O&M Ind Barath Thermal Power Ltd 2x350MW Thermal IPP at Sahajbahal, Jharsuguda, Orissa** From 2014 Aug to Feb 2017 now. **QUESS CORP. LIMITED / TATA POWER- SKS SITE 2\*300 MW Power Plant, RAIGARH (C.G**.) March 2017 to Till Now.

Currently spearheading functions with. Experience in design, configuration, integration and implementation of process control solutions including AB PLC, ABB DCS, **project,** **Batch software, HMI packages, SCADA systems, PC networking technology.**

## **WORK EXPERIENCE**

**QUESS CORP. LIMITED C/O TATA POWER- SKS SITE 2\*300 MW Power Plant, RAIGARH (C.G.)**

**Duration :** March 2017 to Till Now.

**Designation :** C&I Senior Engineer.

**My core competencies are:**

* + INVENSYS FOXBORO based DCS I/A series Control Processor FCP 270 and Fieldbus IO modules (FBM) software Version 8.7.
  + Configuration & managing Engineering Workstations (EWS) and Operator Workstations (OWS).
  + DCS Panel wiring connection, Cable Loop checking & I/O checking through the DCS I/O Panel Drawing.
  + Preparing maintenance/ services schedules for ***SCADA*** base (RS View Studio, wincc, simplicity)**, PLC Base (AB PLC Micrologix 1400, L55, L61 Control Logix, S7 200, S7 400).**
  + PLC to PLC massaging, Switch Configuration Router Installation and create intra Network.
  + In hand experience field Instrument Calibration.
  + Managing Domain Server & Client for all data Permission.
  + Hands on experience across IT security management, system and network administration; installation and configuration of IT networks (**Server & Client System**), maintenance, troubleshooting and network user management with expertise in installation, up gradation, configuration, hardware, peripherals.
  + Cable loop checking DCS to JB and JB to Field.
  + Highly motivated, positive and goal-oriented, with demonstrated professionalism, attention to detail, with proven ability to build and lead effective teams.
  + Managing detailed engineering, system engineering, instrument sizing, and preparation of instrument data sheets, specifications, layouts, loop drawings & logic diagrams,s
  + Processing measurement & control instrumentation & services to monitor as well as optimizing manufacturing processes.
  + **Preventive maintenance** and **analyzing the faults** of the instrumentation equipment’s through PLC & DCS and field.

**OEG RR O&M to Ind Barath Thermal Power Ltd 2x350MW Thermal IPP**

**At Sahajbahal, Jharsuguda, Orissa.**

**Duration :** September 2014 to Feb 2017.

**Designation :** C&I Senior Engineer.

**My core competencies are:**

* ABB DCS HC 800 TAG configuration in SYMPHONY PLUS Server configuration & managing. DCS Panel wiring connection, Cable Loop checking & I/O Checking through the DCS I/O Panel drawing.
* Preparing maintenance/ services schedules for ***SCADA*** base (RS View Studio, RS View Factory Talk, wonder Ware, King View, Micro Win 32)**, PLC Base (AB PLC Micrologix 1100, SLC L50, L55,L61 Control Logix.**
* **AB PLC (Micrologix,SLC,Control Logix,RS View 32,Factory Talk, Panels Builder 32,RS Linx, OPC, Kep Server,), AB Display MMI – AB 300 Panel View** **)etc**.
* Switch Configuration Router Installation and create intra Network.
* In hand experience field Instrument Calibration.
* Managing Domain Server & Client for all data Permission.
* Hands on experience across IT security management, system and network administration; installation and configuration of IT networks (**Server & Client System**), maintenance, troubleshooting and network user management with expertise in installation, up gradation, configuration, hardware, peripherals.
* DCS using in ladder logic diagram (LD), Functional block diagram (FBD).
* Cable loop checking DCS to JB and JB to Field.
* Highly motivated, positive and goal-oriented, with demonstrated professionalism, attention to detail, with proven ability to build and lead effective teams.
* Managing detailed of process Input / Output List, preparation of process logic, generating DCS & PLC logic diagrams. Regular maintenance of AB PLC & field I/Os.
* Managing detailed of process Input / Output List, preparation of process logic, generating PLC program and logic diagrams.
* Managing detailed engineering, system engineering, instrument sizing, and preparation of instrument data sheets, specifications, layouts, loop drawings & logic diagrams, PLC to PLC massaging.
* Processing measurement & control instrumentation & services to monitor as well as optimizing manufacturing processes.
* **Preventive maintenance** and **analyzing the faults** of the instrumentation equipments through PLC & DCS and field.

**Power Mach Project Limited, O&M to Jindal India Thermal Power Ltd 2x600MW Thermal IPP at Derang, Angul, Orissa.**

**Duration :** April 2014 to Sept 2014.

**Designation :** C&I Senior Engineer.

**My core competencies are:**

* DCS TAG configuration in Max links Server configuration & managing. DCS Panel wiring connection & I/O Checking through the DCS I/O Panel drawing.
* Managing Domain Server & Client for all data Permission.
* Managing detailed of process Input / Output List, preparation of process logic, generating DCS & PLC program and logic diagrams. Regular maintenance of GE PLC & field I/Os.
* Taking action for shut down. Input & Output signal configuration in SCADA.
* Managing detailed of process Input / Output List, preparation of process logic, generating PLC program and logic diagrams.
* Managing detailed engineering, system engineering, instrument sizing, and preparation of instrument data sheets, specifications, layouts, loop drawings & logic diagrams, PLC to PLC massaging.
* Processing measurement & control instrumentation & services to monitor as well as optimizing manufacturing processes.
* **Preventive maintenance** and **analyzing the faults** of the instrumentation equipments through PLC & DCS and field.
* Preparing maintenance/ services schedules for ***SCADA*** base (RS View Studio, RS View Factory Talk, wonder Ware, King View, Micro Win 32)**.**
* **AB PLC (Micrologix,SLC,Control Logix,RS View 32,Factory Talk,Pannel Builder 32,RS Linx, OPC, Kep Server,), AB Display MMI – AB 300 Panel View )etc**.
* SCADA working in Real time and Historical Trend
* DCS using in ladder logic diagram (LD), Functional block diagram (FBD).
* Hands on experience across IT security management, system and network administration; installation and configuration of IT networks (**Server & Client**), maintenance, troubleshooting and network user management with expertise in installation, up gradation, configuration, hardware, peripherals.
* Highly motivated, positive and goal-oriented, with demonstrated professionalism, attention to detail, with proven ability to build and lead effective teams.

**Korea Plant Service & Engineering Ltd, O&M to Vedanta Aluminum Ltd 9x135MW Thermal CPP at Jharsuguda, Orissa.**

**Duration :** August 2010 to April 2014.

**Designation :** C&I Engineer

**My core competencies are:**

* Managing detailed of process Input / Output List, preparation of process logic, generating PLC program and logic diagrams.
* Processing measurement & control instrumentation & services to monitor as well as optimizing manufacturing processes.
* Preparing maintenance/ services schedules for SCADA base(RS View Studio, RS View Factory Talk, wonder Ware, King View, Micro Win 32)**, PLC Base (AB PLC Micrologix 1100, SLC L50, L55, Control Logix L61,L62 Siemens PLC s7200,s7300, Modicon, Telemecaniq), Communication Base**(RS linx 2.52 & 2.54 and OPC server) and AB HMI(Panel View 300). **Preventive maintenance** and **analyzing the faults** of the instrumentation equipments through DCS and field.
* Thorough grasp in **Solenoid Valve, Pressure Gauge, Temp Gauge, Pressure Transmitter, Flow Transmitter,Temp Transmitter, Relay, RTD, Thermocouple.**
* Hands on experience across IT security management, system and network administration; installation and configuration of IT networks (**Server & Client**), maintenance, troubleshooting and network user management with expertise in installation, up gradation, configuration, hardware, peripherals.
* Familiar with **AB PLC (Micrologix,SLC,Control Logix,RS View 32,Factory Talk,Pannel Builder 32,RS Linx, OPC, Kep Server,), AB Display MMI – AB 300 Panel View** **)etc**.
* Highly motivated, positive and goal-oriented, with demonstrated professionalism, attention to detail, with proven ability to build and lead effective teams.

**Intelli Automation, Agra**

**Duration :** Feb 2008 to Aug 2010.

**Designation : Hardware & Network Engineer**

**Worked Experience are:**

Hardware Responsible for troubleshooting, configuring and manage all types of Desktops & laptop.

|  |  |
| --- | --- |
| Networking | Created network, Router installation, Router Configuration, Switch Configuration,  Sub netting, Created VLAN, Created Access List, Thin Client Configuration |
| Server | Created and Handled Sever, Child-Server and Users, Exchange Installation and Managing |
| Other Skills | Designing & Implementation of Network.  Troubleshooting hardware & network issues along with various operating systems from Microsoft, network based or service based, Designing & Configuring Active directory services.  Configuration of Dynamic Host Configuration Protocol (DHCP), Domain Naming Services (DNS) and Remote Installation Service (RIS), Created backup.  Configuration of Antivirus software and Internet Information Services (IIS).  Installation, Configuration & Networking of LINUX Server and User & Groups addition |

**Core Competencies:**

Project Planning and Execution ⯎Automation ⯎Instrumentation & Control⯎Designing Engineering⯎Erection/ Commissioning

## **SKILL SET**

* **Program software**- rsL Logix 500, RS Logix 5000, **Step7 Micro win**, **Simatic manager,** 9030 (series) software (versa pro), Modular type version 4.2, software (AC1131), CFM2A & CP1E, K724**.**
* **SCADA**-Wonder ware, in touch, I Fix, RS view 32, RS View Studio, Factory Talk View, Micro win 32.
* **PLC**- ABB 800XA,AB(Micro Logix, Compact Logix, Control Logix, SLC), Siemens(S7-200,S7-300), GE – FANUC, ABB ASEA BROWN BAURY, OMRON, KEYENCE, DELTA
* **ADVANCED TECHNOLOGY OF GSM PLC – DELTA plc to 81gr Vision Tech Modem Communication,**

## **ACADEMIC**

* B. Tech. in Electronics & Communication Engineering (2006-2010) from, DR.BHIMRAO AMBEDKAR UNIVERCITY AGARA.
* 12th from Chaharwati Int Coll AKOLA AGARA (2004-2006).
* 10th from O.P.M Boys High School, ODISSA in 2004 affiliated to HSCE.

## **it training undergone**

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| **Organization** | **Duration** | **Place** |
| Advanced Diploma in Computer Hardware & Networking and Information Technology. **(ADCHN)** | 6 MONTH | HINT Institute BHUBNESHWAR |
| Cisco Certified Network Associate. (**CCNA)** | 3 MONTH | HINT Institute BHUBNESHWAR |
| Microsoft Certified System Engineer. **(MCSE)** | 6 MONTH | HINT Institute BHUBNESHWAR |
| Red Hat Certified Engineer. **(RHCE)** | 3 MONTH | IIS Institute BHUBNESHWAR |

## **Automation TRAINING**

Certified Industrial **PLC TRAINING** from **Webel aca (GreenWave)**.KolKata.

* Ability to Program, Troubleshoot and Communicate on **Allen Bradley L55, L61, Siemens S7 200, S7 300.**
* Creating new applications with **SCADA Software** for various process and applications.
* Knowledge of Programming **Variable Speed Drive,** its Variable speed & Torque.
* Creating Applications, Downloading / Uploading Program, Communication with PLC using HMI
* Knowledge of Panel Designing, Panel Wiring, and Main Power Control and Handling**.**
* Practical exposure of RTD, Thermocouples, Level Detectors, Flow Meters, Temperature Controllers, and Capacitive & Inductive Proximity Switches & Control Valves.

**SOFTWARE PROFICIENCY IN DESIGNING:**

\* Intergraph’s Smart Plant Instrumentation SPI 2007 (V 8.0)

\* AutoCAD 2008

\* Micro Station V8

\* PDMS (PLANT DESIGNING MANAGEMENT SYSTEM)

## **INSTRUMENT DESIGNING TRAINING from INTOOLS Chennai.**

* Design Tool - INtools (Smart Plant Instrumentation), Micro station V8, AUTO CAD 2008
* Preparation of Instrument Index from P&ID’s.
* Enhanced Smart Loop Generation By using Loop Drawing
* Generation of Hook-Up Drawings.
* Wiring Interconnection drawings
* Calibration & Loop Checking
* Sufficient exposure to 2D drawings in Micro station
* Piping and Instrumentation diagrams (P&IDs),
* Review the preparation P&ID Drawings.
* Preparation of specification sheet for field instruments, Control and On-off valves.
* Knowledge of data sheets, instrument drawings, I/O wiring diagrams, P&IDs, calculation and specifications.
* Knowledge in Foundation Field Bus.
* Preparing Technical Specifications/Data Sheets, Purchase Requisitions (PR), Bill of Materials (BOM), inspection test requirements,
* Perform Technical Appraisals for various Field Instruments, Skids and Control Systems
* Verify and modification of all Engineering Drawings using AUTO CAD.
* Skilled in work Planning, Execution & site monitoring.

## **ROCKWELL AUTOMATION PLC TRAINING from Noida**

**Course Model CCPTTCLXDNET - Tailored Training on Control Logix, Control Net & Device net**

Certified in **“Advanced Training in Industrial Automation (ATIA)”** by **Technocrat Automation Solution Pvt. Ltd Chennai.**

**PLC:**

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| --- | --- | --- | --- |
|  |  |  |  |
|  | Siemens | : - | S7 300- Microwin32, Simatic, CPU222 & Version-6.3 |
|  | Schneider Telemechaniq | : - | Modicon TSX3708001, PL7 PRO, 140 CPS 114 20 QUANTUM, Concept. |
|  | AB (Allen Bradley) | : - | RXLogix500/SLC500, Micro Logix, RS Logix, 1200series C, Version-5.50. |
|  | Keyence | : - | KV40R-KV Ladder Builder. |
|  | Ge Fanuc | : - | Versa max, IC200UEX626-B-Versapro & Version-2.02. |
|  | OMRAN | : - | SYSMAC, CPM2A, CX Programmer & Version-6.0. |

**SCADA (Supervisory Control and Data Acquisition):**

Company :- Wonder ware **In touch** (Version 9.5).

Company :- Intellution FIX32 (Version 7.5)

Certified Industrial **SPECIAL TRAINING** from **TECHNOCRATE AUTOMATION** Chennai.

**ABB BRAND IN AUTOMATION**

**ABB System Version AC 800M, Software (Control Builder Version 15.2.1), ABB VFD (Variable Frequency Drive) – ACS 150 (Model 07kr51), ABB Display MMI – CP 554 Landscape V.1.0X Display Software – CP Programmer etc**.

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| **ADVANCED TECHNOLOGY OF GSM PLC-DELTA to Vision Tech 81 gr Modem Communication.** |

**Vision tech 100 GSM MODULE to Delta PLC via mobile SMS to plc Command & PLC (SCADA) command to mobile SMS.**

## **INDUSTRIAL MAJOR PROJECTS**

**ESP BAG FILTER :** 9 UNIT (9\*135MW) ABPLC Installation & Commissioning consulting with SEPCO CHINESE ENGINEER.

**Description :**  9 UNIT (9\*135 MW) Field all instrument to PLC cable wiring & Connection.

Create the program Bag filter bypass damper, Seal Air Fan, Temp, Flow, Limit, Pressure with Scada connection.

**COAL FEEDER :** Schneider Telemechaniq PLC Stop.

**Description :** Download/Upload Prog But not response. Check PLC Hardware OS erase. Then Download OS in Schneider Telemechaniq PLC Model TSX3708001.

## **PERSONAL DETAILS**

Name : Tinku Shrivastava.

Father’s Name : Mr. Ganesh Shrivastava.

Sex : Male

Marital Status : Single

Date of Birth : 10thJuly. 1987

Nationality : Indian

Language Known : English, Oriya & Hindi

## **DECLARATION**

I hereby declare that the information furnished above is correct to the best of my knowledge.

**Place: Jharsuguda Tinku Shrivastava**