**Rajan Singh**

**Present Address:** Hyderabad, Telangana (India)

**Permanent Address:** Jaipur,

Rajasthan (India)

**Tel :** +91-9100936483

**Email:** rajanbits@gmail.com

**Professional Synopsis:**

A professional in Digitalization of Manufacturing industries with mature experience across various roles including Business analysis, requirements gathering, Product Software QE, Project management, Deployment of Emerson, Invensys/Schneider, Siemens, Rockwell, POMS product line.

**Professional Experience:**(Total Experience: 8.5+ Years)

**Present Company:** Cigniti Technologies Limited,

Hyderabad (INDIA)

**Experience:** 00 years 02 Months

**Previous Company:** Cognizant Technology Solutions Pvt. Ltd,

Hyderabad (INDIA)

**Experience:** 04 years03 Months

**Previous Company:** Emerson Process Management PWS India Pvt. Ltd

(Emerson Electric),Noida (INDIA)

**Experience:** 04 year 01 Months

**Technical Skills:**

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| **Category** | **Skill** |
| Project Management, Configuration, Testing and Validation | End to end Product Testing, Product Validation and Verification ; Hardware Testing- Controller and I/O modules |
| IoT Framework | ThingWorx IoT Development Framework |
| Testing Tool | Selenium Web Driver (Core Java)/IDE, TestNG, Putty |
| Programming Languages | Core Java, SQL |
| **POMS** Corporation Products | MES : - POMSnet Manufacturing Execution System |
| **Rockwell** Automation Products | MES: Factory talk pharma suite (FTPS) Manufacturing Execution System |
| **Schneider**/Invensys Products | Simulation- Dynsim, SCP, SimSci APC, Simulation engines  DCS: Foxboro Control System, Wonderware HMI,  PLC: Triconex, Trisim with TriStation  Historian: Wonderware  Miscellaneous: ArchestraA system, InTouch HMI, Hardware Controllers FCP/ZCP-270/280 |
| **Emerson** electric Products | DCS –Ovation Control System; APC (Advanced Process Control)  Miscellaneous: ELC, SCADA, Advance Process Control System, Intelligent Soot Blower , Turbine Control System, Smart Process Optimizer, Hardware Controllers- OCR 400/1100 and I/O Cards |
| **Siemens** Products | PLC: S7300/400 , AC/DC Drives |
| OPC | OPC Server/Client Mapper, Alarm &Event Server |
| Network Protocols | ProfiBus, Ethernet, Modbus, Foundation Field Bus |
| Field Instruments | Temperature sensors, Pressure/Flow transmitters, I/P converters, Flow Control/Shut-off valves, Burner Control Units, Leaser Width measurements, Load cell, Proximity switches. LVDT ,Encoders etc. |

**Experience Summary:**

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| --- |
| * Experience in Manufacturing domain across various roles in product development team, Project Management, Customer support and field deployment. * Currently working in Cognizant Connected Products Team as ‘MES Functional Consultant’ (Life sciences). * Project management and Functional Consulting for MES. * IoT ThingWorx. * Site Requirement Gathering, Training and Change Management, Building Blocks/Operations Authoring, Functional Testing, Recipe Authoring, Weighing and Dispense. * Supporting customer over the Business/Process analysis and COTS adoption. * Certified **IoT ThingWorx** Developer Associate (worked on Pharma Project for a Major client) * Pursuing **PMP** (Project Management Professional) Certification. * **ISTQB** Certified (International Software Testing Certification). * SIX SIGMA Certified from *Indian Statistical Institute*, Delhi. * Strong program analyzing skills, with ability to follow project standards. * Highly motivated team player with good problem-solving abilities. * Ability to learn new Tools and Technologies rapidly. * Roles include mixture of responsibilities requiring technical background with problem solving, analysis and communication skills. * An implementer aiming at achieving timely project completion, profit and business growth objectives & turnaround for increase in top line and bottom line in rapid change environments. |

**Cigniti Technologies Limited**

Role: Testing Lead (Industrial Automation and MES)

Duration: Jul 2019 to till date

Major Projects: Wonderware MES

Client in Cigniti : One of the reputed industrial Automation Solution provider based out of Canada.

**Cognizant Technology Solutions Pvt. Ltd**

Role: SME, ThingWorx & MES-Functional Consultant

Duration: Apr 2015 to June 2019

Major Projects: ThingWorxIoT & Rockwell FTP MES for Pharma Manufacturing.

Simulation support to - Foxboro/IA DCS, Triconex PLC, Wonderware System platform,

Wonderware Historian, SimSci APC (Advanced Process Control), DynSim.

Clients in Cognizant:

1. Current Client: One of the World’s largest pharmaceutical company.
2. Previous Client: One of the World’s largest pharmaceutical company.
3. Previous Client: Client was an innovative and trusted provider of software and services that improve productivity and profitability for production, manufacturing and infrastructure industries. Their software solutions allow customers to deliver sustainable performance with flexibility and agility to address evolving market requirements.

Job Responsibilities

* Involved in gathering enhancement and change requirements and understanding of impact on system during BAU (Business as Usual) phases.
* Work with the development and business analysis teams to develop acceptance test plans for new products and new functionality on existing products.
* Responsible in enhancing the product by implementing CR, TR and R&D stories, following SCRUM.
* Set-up platforms for Invensys Foxboro I/A DCS, FCS ArchestrA system, InTouch HMI and Triconex Safety system.
* Work on DCS station programs and process in simulated environment as per OTS departmental procedures.
* To develop process control logic, Functional Block Diagrams & Sequence logic Programming.
* Creative skills to develop HMI graphics using InTouch and Fox view applications.
* Working in Agile environment for DCS system product development.
* Provide simulation solutions for:Foxboro/IA DCS, FCS270/280 & ZCP280 controllers, Triconex PLC.
* Working on integration of Dynamic simulation suite (Dynsim) of Invensys with existing automation products of Invensys and Schneider electric.
* Developing automatic test suites for regression testing of various automation products.

**Emerson Process Management PWS India Pvt. Ltd**

Role: Product Quality Assurance

Duration: Mar-2011 to Apr-2015

Major Projects: Ovation DCS, APC, TCI, ISB, SPO, Historian, Hardware Controllers- OCR400/1100

And different type of I/O modules

Job Responsibilities

* Involved in gathering enhancement and change requirements and understanding of impact on system during BAU (Business as Usual) phases.
* Work with the development and business analysis teams to develop acceptance test plans for new products and new functionality on existing products.
* Preparation of Software Validation Test Procedures (SVTPs), Test Records (TRs) and Documents.
* Set-up of test platforms for Emerson DCS system and supporting software like APC, SPO, ISB, OPC, TCI etc.
* Installation and up gradation of software and hardware in the validation lab.
* Test and Verify Operator functions according to SVTPS & freelance: Signal Diagram, Graphics, Alarm, Point information, Point review & trends etc.
* Follow-up with R&D team in bug fixing through SDR (System deviation report) system & weekly meetings and validate the corrections.
* Follow up with Development team and give ideas to enhance quality & features of product.
* Tracking of released products through field alert system.
* Quality and Continual improvement: Maintaining validation lab with all running versions setups of Ovation systems, Updating of MS/Solaris patches (monthly basis), Updating Antivirus Patches, Updating Ovation patches on requirements basis. To find out the best way of testing (readymade solution) to minimize to project life cycle (part of continual improvement).

**Educational Qualifications:**

* **B. Tech- ECE (69%)** 
  + Birla Institute of Technology, Mesra
* **Intermediate (80%)** 
  + Rajasthan Board of Secondary Education, Ajmer (Rajasthan)
* **High School (85%)**
  + Rajasthan Board of Secondary Education, Ajmer (Rajasthan)

**Assets and Strength:**

* Dedicated & Determined to assigned work and proactively organize co-curricular activities.
* Ability to work in group.
* Quick Learner, proactive, adaptive & co-operative.

**Personal Details:**

**Father’s name** Mr. Jagan Singh

**Present Address** KPHB, Hyderabad (India)

**Permanent Address** Jaipur, Rajasthan (India)

**Nationality**  Indian

**Declaration:**

I solemnly declare that the above information is true and correct to the best of my knowledge.

**Place : Hyderabad**

**Date:16 August 2019 (Rajan Singh)**