CURRICULUM VITAE

**SUNIL KUMAR SHARMA**

**Summary**

* Total 7+ years of experience in IT industry.
* Experience of working in the complete Software development life cycle involving development, testing and maintenance.
* Strong knowledge of Object Oriented Programming (OOPS).
* Thorough hands on experience in stored procedures.
* Knowledge on various phases of Software Development Life cycle (SDLC).
* Ability to handle **multiple tasks** and **work independently** as well as in a team.
* Team player with excellent written and verbal communication and interpersonal skills.
* Proven track record of delivering projects on time with good quality.

**Technical Skills**

Architecture & Framework: Dot NET Framework.

. NET Technology : C#, Ajax, SILVER LIGHT, WCF, D2K

Internet Tools : HTML, Java Script

Databases : SQL Server 2005, Oracle 10g (SQL/PLSQL),TFS

Interface : TOAD

Operating System : Windows XP, Win7.

**My Job Details**

**LDSS Web Service for Sinter Plant Feb 2016 to Till Date**

Client : TATA STEEL (Automation Division) through SSI (Special

Software India)

Role : Software Development and Implementation

Front End : Silver Light C#.Net, Tools

Back End : Oracle 11g, SQL Server

Team Size : 1

Description : This system is host and successfully running in Automation server. This system to communicate with Level 1 to Level 2 system. This system is takes a data from Level 1 and store the level 2 system through Tags file. This system is fetching CRMT Lab data from CRMT Level 2 system and stores our local level system. Some data are store after calculation and modify as for as our requirement. This system is fetch data for LDSS System.

**LDSS System for Sinter Plant Oct 2015 to Jan 2016**

Client : TATA STEEL (Automation Division) through SSI (Special

Software India)

Role : Software Development and Implementation

Front End : Silver Light C#.Net, Tools

Back End : Oracle 11g, SQL Server

Team Size : 2

Description : The system has been developed to monitor and control Sinter Plant Situation by using Sinter CaO, Trimming Flux CaO through Moving Average, Sinter MgO, Sinter Al2O3, Sinter Fe, Sinter SiO2, Sinter B2 of Sinter Plant. Every data is lab analysis data, and every data have different ranges, and function and each data have different suggestions. This system is successfully running in Sinter Plant. This system helps us to control room user to improve the plant performance and handling to plant.

**Learning & Decision Support System for H Furnace Sep 2014 to Sep 2015**

Client : TATA STEEL (Automation Division) through SSI (Special

Software India)

Role : Software Development and Implementation

Front End : C#.Net, Tools (Ajax script, JavaScript)

Back End : Oracle 11g, SQL Server

Team Size : 2

Description : The system has been developed to monitor and control Thermal

Stability Index of H – BF which is calculated based on the parameters defined by the department. The system provides a way to configure KPIs for these parameters and create a formula for calculating Thermal Stability Index value. The system imports the data of these KPIs from level 2 System into the Decision Support System using batch files and displays the latest values of all the KPIs. The value of Thermal Stability Index is then calculated based on the defined formula and displayed in the online dashboard using dial meter. For controlling the Thermal Stability Index value certain rules have been defined based on which it controlled by the operator. The system provides several functionalities like configure KPIs, Targets values and color indicators for KPIs, Formula, SOP Rules, online/offline trend of the KPIs etc. It also provides the functionality to capture the feedback from the operator for controlling Thermal Stability Index of H- BF on the basis of which the SOP rules is enhanced by the admin in order to provide the best approach for controlling Thermal Stability Index of H- BF. This system is successfully running in H Blast Furnace.

**Level 2 System of CCL and MCL Jun 2013 to Aug 2014**

Client : Tata BlueScope Steel (Jamshedpur)

Role : Maintenance

Front End : C#.NET

Back End : Oracle10g

Team Size : 4

Description: Maintenance of Level2 system of Color Coating Line and Metal Coating

line. The requirement on a sophisticated Process Automation system has increased significantly. Due to the growing complexity of the plants, operators need a sophisticated Process Automation to make the process transparent and to enable quick interventions. Furthermore, today's demand for highly flexible production and the challenge to continually increase the product quality make it essential and necessary to utilize on-line technical and technological automation func­tions for efficient production control and administration. The Process Automation was especially designed to meet these requirements. The Process Automation is regarded as the supervision level for all technological processes of a complex processing line, which has the main purpose in providing tools and functions, which are described below.

Targets of the Process Automation System: High flexibility of the production sequence optimal utilization of the plant capacity Reproducible set point evaluation

Production support to enable continuous, smooth operation Quality assurance

User supported data evaluation Support for the technologists by archiving all technological parameters.

To achieve these targets Siemens developed a number of modular process automation functions. These functions have been used in many plants worldwide and were continuously optimized to meet the highest standards of modern Process Automation. The process computer forms the control interface between the Manufacturing Execution System (MES–Level 3) and the basic automation (Level 1).

The tasks of the Level 2 computer start from receiving the production data from the MES, generating the necessary production set points, tracking the strip through the line based on the Level 1 information until reporting the finished material back to the MES.

The data flow is organized in a way that the MES computer communicates only with the Level 2 computer system (Process Automation). After calculation of the necessary data Level 2 will send the coils primary data and the set points to the Level 1 system (Basic Automation). Data distribution in the Level 1 itself and to the connected systems of sub-suppliers (e.g. stitching machine, weight scale etc.) will be organized within the Level 1 PLC system.

The principal functions are:

Primary coil: Coils going into production at entry section of the line are designated as the Product coil: The coil produced at the exit is designated as the product coil. (Daughter coil)  
Coil data/ primary data: The coil data / primary data contain all the information required for the processing and set-point computation of the coil. Every primary coil can be divided into ‘n’ product coils. However, a product coil is only part of a single primary coil.   
Material Handling

Set-point Determination

Measured value processing

Data Administration

System and maintenance functions

Dialogues

Reports

Communication

The process computer has interfaces to the following systems:

Basic Automation (Level 1)

Customers MES (Manufacturing Execution System; Level 3)

Coil Yard Management system

Surface Inspection System

Laboratory  
Communication to Level 1

Communication to MES (Level 3)

Communication to Coil Yard Management System

Communication to Surface Inspection System (optional)

Communication to Laboratory (optional)

# **Data Interface System (for H, F blast Furnace) Feb 2012 to May 2013**

Client : TATA STEEL (Automation) through SSI (Special Software India)

Role : new Job Development and old Job Maintains

Technology : Console Application c#

Description : This application can fetch data from Level 2 automation server

(Oracle Database Server) toLevel3 System Application Expert management System database (SQL Server). This application can run as a scheduled based it is executes ever time as for application scheduled time job which executes after a particular interval of time.

In this data interface system are three application can development and maintains. Two applications can develop and one application can maintains.

# **Iron & Steel Supply Chain TATA STEEL EUROPE Sep 2011 to Feb 2012**

Client : TATA STEEL (Automation) through SSI (Special Software India)

Role : Development

Technology : VB.Net 4.0, Asp.net 4.0, and SQL Server 2005

Description : Application concerned with the designing and development of a

web application For TATA STEEL (CORUS), EUROPE. Web Furnace is a KPI (Key Performance Indicator) - based Integrated Business Model for Decision Support in the process of making of Liquid steel in furnace. Application Provides Various Diagram and Maps like Value Diagram, OGSM Map and Trends Graph of Different Parameters of strategy and Goal of process. Application works as a Decision Support Modal to achieve the Goal.

# **Experts System Tata Steel (F Furnace) Sep 2009 to Sep 2011**

Client : TATA STEEL (Automation) through Technosoft

Role : Development and Maintains

Technology : VB.Net 4.0 and SQL Server 2005

Description : This software is Level2 system and it is also KPI (Key

Performance Indicator) and based System, this System is support System of Furnace user, this System is take Data in level 2 system and remind And take decision to upgrade the performance of furnace. This System is basically use to improve the performance of Furnace, this System is some data i.e.: Temp, Si and C value and show the message and generate the Reports.

# **CRMT LAB (Coal Rolling Material Testing Lab) Mar 2008 to Feb 2009**

Client : TATA STEEL (ITS) through (Pioneer Computer)

Role : Development and Maintains

Technology : Front End – D2K, Oracle 8i

Description :The CRMT Lab Management provides information to assists the

coal Heating Testing reports to possible finishing work rolls well in advance to the mill schedules. It will also provide feedback to Lab regarding the status of Coal.

The major functions of this Project is

* Receive Coal.
* Record Coal Events.
* Record Coal History.

# **ACADEMIC QUALIFICATION**

* MCA from Indira Gandhi National Open University (IGNOU)
* BCA from Indira Gandhi National Open University (IGNOU)
* Higher Secondary from Jharkhand Board.
* Secondary Education from Bihar Board.

# **PERSONAL DETAILS**

Father’s Name : Mr. S. P. Sharma

DOB : 5th Jan 1982

Marital Status : Married

Language Known : Hindi & English

Permanent Address : Sunil Kumar Sharma

Plot no -86, Sai Sardha, near Sripuram apartment,

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Place: Jamshedpur (Sunil Kumar Sharma)