### Sushil Kumar Gupta

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**SUMMARY OF EXPERIENCE & SKILLS**

* Over **17+ years** of experience in **IT includes extensive Functional and Technical experience** in **Data Warehouse**, **Business Intelligence (BI)** and **Web Applications.**
* Extensive experience in all phases of software development life cycle (**SDLC**), **Agile**, **Lean** methodology of **Data Warehouse, Business Intelligence, Data Engineering** and **Web applications**, including requirement gathering from business users, analysis, architecture, design, creation of project documents, technical specification writing, development, testing and implementation.
* Experienced in designing and implementing **Conceptual**, **Logical** and **Physical** Data Models in RDBMS.
* Proficient in **OLTP**/**OLAP** systems and Relational/Dimensional Modeling, Fact & Dimensional Tables, **Star** and **Snowflake** Schema and **Parent/Child** Relational Tables.
* Experience in **Power Apps**, **Power Automate, Power Virtual Agents (Chat Bot), Azure Data Explorer (Kusto), Azure DevOps, Azure Data Factory and Logic App.**
* Extensively worked in **MS SQL Server** databases (**SQL**, **PL/SQL**, **performance tuning**, Creating, Designing and Maintaining DDL scripts, database objects like Tables, Table partitioning, Indexes, Stored Procedures, Functions, Views, Sequences, SQL Jobs, Packages, Update Statistics, Database Backup & Restore and etc.) for developing different applications.
* Extensive experience in **Data Acquisition**, **Data Integration**, **Data Conversion**, **Migration** and developing **ETL** mappings, transformations, implement business rules using Designer, Repository Manager, Workflow Manager, Workflow Monitor and Administration.
* Experience in installation/configuration of Informatica server, upgrade, applying patches and fixes. **Data Masking/De-identification** of production data in different environment (UAT/Test/Dev). **Migration** of Informatica Server from Unix to Windows and converted **Unix shell** scripting into **VBScript** to automate the ETL jobs.
* Extensive experience in **Heterogeneous** Source/Target Systems (Oracle, MS SQL Server, DB2, Flat, CSV and Excel Files) for Data Warehouse.
* Worked with business analysts, other team members and clients to review the business requirements and translate them into **database objects**.
* Heavy interaction with end-users/team leads for new application specifications, **ad-hoc queries** and daily request to support organizational decisions and policies.
* Re-engineered numerous **complex stored procedures** for maximum performance and implementation of Microsoft best practices.
* Data mapping, cleansing & migration/conversion of **legacy** data from various sources (FileMaker & Excel/CSV/Text files) into SQL Server.
* Code review of all database objects developed by team members to **certify the code**, output and performance prior to releasing into QA and Production environments.
* Developed database **build scripts**, product release notes & installation guides.
* Responsible for production and/or mission-critical issues and needs on **24x7** basis.
* Monitor and respond to all **database jobs** and activity.
* Established SQL Server development **standards & best practices** and Mentor internal staff.
* Experience in **Tableau**, **Power BI,** and **Cognos visualization tools**
* Experience in creating **data visualizations** using Bars, Lines, Pies, Maps, Scatter plots, Gantts, Bubbles, Bullets, Heat maps etc.
* Designed and Developed **MS SQL Server Reporting Services (SSRS)** reports, **Crystal reports**, **MS Excel Power Pivot** and **Pivot** reports using **databases** and **cubes**.
* Experience working in the **functional domains of Health Care**, **Education**, **Finance** and **Manufacturing**.
* Experience in **Configuration**, **Release** and **Deployment** management. **Code** **reviews** and walkthrough. Identifying, documenting, and implementing process improvement initiatives.
* Managing enterprise **FTP/sFTP** process including **PGP/GPG** encryption, decryption (**Kleopatra**).
* **Self-motivated** and possess **excellent critical** thinking **ability**, **good interpersonal and communication** skills**, team oriented.**
* Ability to work under **stringent deadlines** with teams as well as **independent.**

**EDUCATIONAL & PROFESSIONAL QUALIFICATION**

1. **Master’s in computer applications** from IGNOU, New Delhi, India
2. **Bachelor of Sciences** from MDU, Rohtak, India

**TECHNICAL SKILLS**

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| Cloud | AWS, EC2, S3, RDS, Azure, Azure SQL, Azure Data Factory (Data-pipeline), Logic App, Azure Blob Storage, Power Apps, Power Virtual Agents (Chat Bot), Power Automate, Azure Data Explorer (Kusto), Azure DevOps (ADO), Azure Table Storage, Azure Data Lake Storage (ASLS) |
| OS | Linux, Unix, Windows Advanced Server 2008, Win-NT, Windows – 200x |
| ETL & BI | Informatica PowerCentre9x, IBM InfoSphere Information Server 11.5, IBM DataStage 11.5, Business Objects Crystal Reports 9.0/10/XI R2/2008, MS SQL Reporting Services 20xx (SSRS), MS SQL Server Integration Services 20xx (SSIS), MS SQL Server Analysis Services 20xx (SSAS), Cognos 10 & 11 BI, Cognos Report Studio, Cognos Query Studio, Cognos Framework Manager, Power BI, DAX, MS Excel Power Pivot & Pivot, Power Query, Qlik View, Qlik Sense, Tableau 2019.x/2020.x, PGP Encryption/Decryption, VBScript, Window PowerShell Scripting, Linux Shell Scripting, SSH, FTP/sFTP, Hadoop. |
| Databases | MS SQL Server 20xx, Oracle–8i / 9i / 10g / 11g (SQL Plus, PL / SQL), DB2 Blu, Netezza 7.x, MS Access. |
| Tools | Erwin, SQL EnLight, FxCop, Re-sharper, SQL Sentry 7x, MS Project, Microsoft Visio, VSS, TFS, Perforce, SCM, BitBucket, Jira, Service-now, Informatica 9x (Data Masking), F-Secure SSH Client, Core FTP LE, PuTTY, FileZilla, WinSCP, ER/Studio 9.5, MS SharePoint 2013/2016, Oracle SQL Developer and SQL Toad, PGP/GPG Encryption/Decryption (Kleopatra) |

**PROFESSIONAL EXPERIENCE**

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| **Employer** | **Location** | **Duration** |
| Natsoft Corporation | King Of Prussia, PA, USA | Since Jan 2018 |
| Wipro Limited | Jefferson City, MO, USA | Feb 2014 to Jan 2018 |
| Infosys Limited | Bellevue, WA, USA | Mar 2013 to Feb 2014 |
| HCL America Inc. | Upper Saddle River, NJ, USA | Aug 2012 to Mar 2013 |
| HCL Technologies Ltd. | Noida, Uttar Pradesh, India | Dec 2004 to Aug 2012 |
| SDITech (India) Pvt. Ltd. Gurgaon | Gurgaon, Haryana, India | Apr 2004 to Dec 2004 |

**PROFESSIONAL PROJECT DETAILS**

**Microsoft Corporation, Redmond, WA Since Mar 2021**

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| Project Details | **CSS** Volume Forecasting (Demand and Workload) project is to create a scalable machine learning system that will model and forecast customer support demand for a variety of Microsoft Products and Lines of Business.  **C+AI Accessibility** (C & Artificial Intelligence) Products and services including electronic media are accessible when they are designed to provide full and successful experiences for as many people as possible.  Build accessible and inclusive applications, with improved functionality and usability, for people with disabilities (both temporary and permanent), personal preferences, specific work styles, or situational constraints (such as shared workspaces, driving, cooking, glare, and so on). Some common solutions include providing information in alternative formats (such as captions on a video) or enabling the use of assistive technologies (such as screen readers). |

**Responsibilities:**

* Gathering user requirements, analyzed and designed software solution based on the requirements. Converts business requirements and specifications into presentation and data layer application solutions through effective design, development, and testing.
* Design and develop process, product, reports, data pipeline and automation using Power Apps, Power Automate, Power Virtual Agents (Chat Bot), Azure Data Explorer (Kusto), SQL Server, Power BI, Azure DevOps, Azure Data Factory, and other technologies as per project need and environment.
* Assembling large, complex sets of data that meet non-functional and functional business requirements.
* Identifying, designing, and implementing internal process improvements including re-designing infrastructure for greater scalability, optimizing data delivery, and automating manual processes
* Building required infrastructure for optimal extraction, transformation and loading of data from various data sources
* Building analytical tools to utilize the data pipeline, providing actionable insight into key business performance metrics including operational efficiency and customer acquisition.
* Working with stakeholders including data, design, product, and executive teams and assisting them with data-related technical issues
* Working with stakeholders including the Executive, Product, Data and Design teams to support their data infrastructure needs while assisting with data-related technical issues.
* Ability to build and optimize data sets, ‘big data’ data pipelines and architecture.
* Ability to perform root cause analysis on external and internal processes and data to identify opportunities for improvement and answer questions.
* Excellent analytic skills associated with working on semi-structured datasets.
* Ability to build processes that support data transformation, workload management, data structures, dependency, and metadata.
* Coordinate activities with data source application owners to ensure integration, data integrity and data quality.
* Analyze and profile data to identify quality and standardization issues in data sources.

**Department of Labor, Washington, DC Nov 2019 to Mar 2021**

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| Project Details | **Comprehensive Internal Reporting and Analysis System** (CIDRAS) program/project has been launched to streamline the executive reporting and analytics capabilities for the National Office of the Job Corps (part of the Employment Training and Administration Agency for United States Department of Labor). This project will enhance the strategic executive reporting in the form of Executive Dashboards required to support Decision Making, enhancing the management capability, to speed up collation of data and reports for Congressional Reporting and for Job Corps internal operations management. |

**Responsibilities:**

* Performs end to end project life cycle including gathering business requirements, analyzing the business processes, performing AS-IS Analysis. Identifying and analyzing the Gaps, Implementation, Designing, Configuration & Customization.
* Gathering user requirements, analyzed and designed software solution based on the requirements. Converts business requirements and specifications into presentation and data layer application solutions through effective design, development, and testing.
* Performs technical administration duties for Data Warehouse (DW) development and maintenance.
* Provide technical support and coordination during relational databases and OLAP databases, database schema, data modeling and architecture, data warehouse design, testing and movement to production.
* Coordinate activities with data source application owners to ensure integration, data integrity and data quality.
* Analyze and profile data to identify quality and standardization issues in data sources.
* Develops and implement scripts to automate end‐to‐end DW/Data Mart system processes; involves in systems and databases automation, optimization, and scheduling.
* Acts as a liaison between data engineers, data architects, ETL developers, IT infrastructure leads, DBA's, BI developers, and business analysts. Implements and enforces standards and procedures to ensure data is managed consistently and properly integrated within the warehouse.
* Implements business rules via stored procedures, middleware, or other technologies. Involved in the design, implementation and maintenance of data access and control processes.
* Design, implement and operate comprehensive data warehouse systems to optimize data access and data load. Ensure our data repositories are optimized to support business needs.
* Automate and build reliable and reusable scripts to integration DW operations including source data management, ETL and data transfer.
* Performing technical administration duties for Data Warehouse (DW) development and maintenance

**Thomas Jefferson University & Jefferson University Hospitals, Philadelphia, PA Jan 2018 to Nov 2019**

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| Project Details | Thomas Jefferson University and Jefferson University Hospitals are partners in providing excellent clinical and compassionate care for the patients in the Philadelphia region, educating the health professionals of tomorrow in a variety of disciplines and discovering new knowledge that will define the future of clinical care.  Thomas Jefferson University is involved in enterprise level data transformation initiative to build a centralized repository such as One Jefferson Data Trust (OJDT) data warehouse. The project enables Jefferson affiliated hospital Electronic Medical Record (EMR) information available for various BI reporting/extract purposes. Projects also include Population health management, improving process capabilities and enabling tools, data governance and system migration planning/retirement support. |

**Responsibilities:**

* Gathering and analyzing customer requirements and involve in various business discussions with the end users of the application
* Performing technical administration duties for Data Warehouse (DW) development and maintenance
* Providing technical support and coordination during warehouse design, testing and movement to production
* Developing and implementing scripts to automate end-to-end DW/Data Mart system processes; involves in systems and database automation, optimization, scheduling and access provisioning
* Act as a liaison between data engineers, data architects, ETL developers, IT infrastructure leads, DBA’s, BI developers, and business analysts. Implement and enforce standards and procedures to ensure data is managed consistently and properly integrated within the warehouse
* Implementing business rules via stored procedures, middleware, or other technologies. Involved in the design, implementation and maintenance of data access and control processes. Responsible for the management of end-to-end data inbound and outbound file generation and access control
* Design, implement and operate comprehensive data warehouse systems to optimize data access and data load.  Ensure our data repositories are optimized to support business needs
* Automate and build reliable and reusable scripts to integration DW operations including source data management, ETL and data transfer
* Maintaining data warehouse operational processes and frameworks
* Managing enterprise FTP/sFTP process including pgp/gpg encryption, decryption (Kleopatra).
* Involve in execution of DW project plan and scripts for data warehouse testing, from unit to integration testing
* Create and maintain supporting documentation, such as metadata and diagrams of entity relationships, business processes, and process flow
* Maintaining warehouse database structures and access control
* Working with system administrators, DBAs to ensure proper security design, integration, and support of the DW and Data Mart environments
* Working with Data modelers, DBAs, Data Governance and Production support teams to perform data and system check out after data or system refreshes
* Providing solution for various technologies across team
* Providing technical and functional guidance to team as necessary
* Identifying, documenting, and implementing process improvement initiatives
* Handling customer escalation
* Providing estimates for the reports development and enhancements
* Developing and Designing MS SQL Server Reporting Services
* Writing Stored Procedures, Functions, SQL queries, Views, and Indexes
* Post production support to customer for Configuration, Network, Software and Application issue

**Missouri Department of Social Services, Jefferson City, MO Feb 2014 to Jan 2018**

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| Project Details | The project focuses on re-engineering the Missouri’s legacy-based Medicaid Management Information System (MMIS) using Software Development Life Cycle (SDLC) that involves Requirement, Design, Development, and Implementation (RDDI) of state-of-the-art MMIS for the MOHealthNet and HEDIS program. Wipro has engaged its resources across multiple system builds to reengineer Missouri's legacy-based MMIS into a dynamic rules-based system with increased functionality and performance and complete internet accessibility. |

**Responsibilities:**

* Gathering and analyzing customer requirements and involve in various business discussions with the end users of the application
* Analysis of requirements, preparing design/Program specification, Technical specification, SMTD document
* Providing solution for various technologies across team
* Provide technical and functional guidance to team as necessary
* Identifying, documenting, and implementing process improvement initiatives
* Design and Maintaining database.
* Design and Maintaining Informatica ETL process.
* Migration of Informatica from Unix to Windows. Unix shell scripting into VBScript
* Data masking in different environment (UAT/Test/Dev)
* Release and Deployment Management.
* Database performance optimization.
* Handling customer escalation.
* Performance tuning of Cognos Reports and Servers
* Cognos Patch installation and User Management
* Providing estimates for the reports development and enhancements
* Designing Framework Model for new requirements.
* Designing and developing of reports in Report/Query studio
* Maintaining Data Model and Data Dictionary for Adhoc DW
* Co-ordinate with IBM and Informatica for any product related issues
* Developing and Designing MS SQL Server Reporting Services.
* Writing Stored Procedures, Functions, SQL queries, Views and Indexes.
* Post production support to customer for Configuration, Network, Software and Application issue.

**Microsoft Corporation, Bellevue WA**  **Mar 2013 to Feb 2014**

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| Project Details | **Strategic Alliance** **&** **Contract Management Tool** (CMT) - As part of the Definitive Agreement (DA) for the Search partnership between Microsoft, Yahoo!, Nokia and Some Mobile Operators, there were certain contractual reporting requirements; payments and general information sharing between companies. It was a Client Server and Web based application developed to manage and track accounts for Tenants, Partners, Contracts, Purchase Orders, and Invoicing. It also included a comprehensive email notification functionality for all Tenants, Contacts & Partners. |

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| Project Details | **Contract Management Tool** (CMT) is a Client Server and Web based application which is developed specifically to manage and track Tenants, Partners, Contracts, PO and Invoice information. The application consists of the different modules that can be administered individually or in an integrated fashion. Each module of CMT incorporates all phases of the contract management life cycle that includes providing workflow for improved Contract Management and mechanisms for maintaining PO and Invoice inventory. |

**Pearson Education Corporation, Upper Saddle River, NJ Aug 2012 to Mar 2013**

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| Project Details | **Rights Management System** (RMS) is a suite of Client Server and Web based applications which are developed specifically to manage, track and account for Publishers’ intellectual properties. |

**Annexure: Details of Other Projects at HCL Technologies Dec 2004 to Aug 2012**

**1. Pearson Rights Management System**

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| Client | Pearson, USA |

1. **Pearson RAD (Rights Acquisition Database)**

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| Client | Pearson, UK |

1. **Pearson VUE**

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| Client | Pearson, USA |

**4. First Warehouse Application**

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| Client | Commonwealth Bank of Australia, AU |

1. **Edexcel**

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| Client | Edexcel, UK |

1. **Patient Engaging Solution**

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| Client | Quest Diagnostics, US |

1. **SideStep.com**

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| Client | SideStep.com, US |

1. **Bond Clinician**

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| Client | Bond Technologies Inc., US |

1. **Sapphire (Enterprise Software Operations)**

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| Product | Sapphire |

**Annexure: Details of Professional Experience at SDI Technologies Apr 2004 to Dec 2004**

1. **CMMS (Construction and Maintenance Management System)**

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| Client | Axiom Corporation, US |

1. **PSS (Pygmalion Synchronization System)**

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| Client | Astra International, Jakarta, Indonesia |