

S.GUNASEKARAN

16+ Years Experience in SQL Server, Postgres, Python, Snowflake, Tableau, MSBI and PowerBI

Career Objective: Progressing technically and personally thus by helping my team to achieve bigger goals and educate the team in every technical aspect.

Professional Summary:

- A Microsoft Certified Data Warehousing Consultant with around **16 years** of experience as Business Intelligence Developer, Postgres and Data Analyst using SQL SERVER 2000/2005/2008/2012 and 2014 and Client Server Applications.
- 6+ years of experience in Data Warehousing implementation using SQL SERVER Integration Services (SSIS), SQL SERVER Reporting Services (SSRS), Cognos 8.X and Precision BI
- 24/7 on call support for windows boxes as Production support DBA and Business Intelligence developer.
- Extensive experience in Extracting, Transforming and Loading (ETL) data into centralized databases from and to wide variety of data sources like Excel and Spreadsheets, Text files, SQL SERVER and Oracle using Integration Services and SP's. Also good in validating and testing that the data pumped is valid.
- Sound knowledge and experience in pumping data from various (both heterogeneous and homogenous) sources to a target database (Initial Extraction) using SQL SERVER Integration Services (SSIS).
- Experience in providing Logging, Error Handling by using Event Handlers and custom Logging for SSIS Packages
- Experience in creating Drill Down, Drill Through, Parameterized, Cascading, Conditional, Table (List), Matrix (Crosstab), Charts, Sub-Reports, Ad-hoc and Crystal Reports using SSRS, Cognos and Precision BI.
- Good knowledge in creating Dashboards using Cognos and Precision BI.
- Amazing experience and loving knowledge in database objects like Tables, Views, SP's, Triggers, and Cursors.
- Sound knowledge in TSQL Programming including SP's, Indexed Views, Triggers and Distributed transactions.
- Sound expertise in Scheduling Database Tasks like Jobs, Alerts Emails and Notifications.
- Extensive experience in Configurations, Implementation and Maintenance for DR (Disaster Recovery) solutions using Log Shipping, Transactional and Merge Replication in SQL SERVER 2012.
- Experience in scheduling Backups, Restore, Log Shipping, Maintenance Plans, using Native and Third Party tools like (LiteSpeed 5.0, VERITAS Netbackup, RedGate SQL Backup)
- Experience in Configuring and Maintaining Database Mirroring and Database Snapshots.
- Extensive experience in controlling the User Privileges, Monitoring the Security and Audit issues per standards.
- Good communication, presentation and documenting skills.
- Good in understanding new technologies in a fast and steady pace.
- Highly customer oriented.
- Good in understanding the End user requirement and providing the desired business solutions.
- Work experience in **SQL Developer**.
- Good Programming knowledge on **POSTGRESQL**.
- Extensively worked on Backend Programming using **POSTGRESQL stored Procedures, Functions, Packages, Database triggers, Exception Handling**.
- **Expertise in SQL concepts like Joins, Views, Indexes, Set Operators, With Clause, Sub queries, Correlated sub queries and Inline views**.
- Extensive experience in using **Cursors and Ref-cursors** for processing of data.

- POSTGRES SQL Programming – **Database Triggers, Procedures and Functions.**
- Writing **Procedures** and **Triggers** using POSTGRES SQL.
- Excellent SQL skills, experience writing complex queries and working with database Objects (**Tables/views, sequences** etc.).
- Create and publish **Tableau** reports utilizing complex calculated fields, table calculations, filters, parameters.
- Used JOINS and Blending when working with single or multiple data sources.
- Used **Tableau server** for adding users, managing licenses and data connections, scheduling tasks.
- Extensively used table calculation functions like date functions, string functions, table calculations, logical, type conversion, Number functions.
- Implemented advanced geographic mapping techniques and use custom images and geo coding to build spatial visualizations of non-geographic data.
- Created Action filters, URL filters and Highlight filters for preparing dashboards and worksheets interaction.
- Created different KPI's using Table calculations, and LOD's.
- Created different types of dashboards like Drill down and Drill up, Master detailed, Action Boards and Hiding and Dashboard with button to refresh the data and Flash button to hide data.
- Published dashboards and worksheets in **Tableau Server**. This included building, publishing customized interactive reports and dashboards and refresh scheduling using Tableau server.
- Developed and reviewed SQL queries with use of join clauses (inner, left, right, outer) in Tableau desktop to validate static and dynamic data for data validation.
- Created and modified some of the existing reports and dashboards.
- Created Quick filters, Parameters, Groups and Sets for better visual interactivity and easy understanding.
- Having good experience in Microsoft **Power BI** Reporting Tool.
- Created Rich visualized Pie & Line Charts, Tree Map, Tabular and Matrix Reports Using Power BI.
- Experience on various **Power BI** Visuals and Visual Properties including Tree Map, Pie Chart, Funnel, Scatter Bar Chart and Column Charts.
- Experience with Column (Field) Grouping, Hierarchies Creations and Usage.
- Experience with Drill Ups, Drilldowns, and Expand Fields to next level and Expand All Levels.
- Experience with Edit Interactions and Bookmarks including Buttons and Actions.
- Working with various Visualizations for Maps and Interactive Visuals including Slicers and Visual Sync.
- Experience on various **Power BI** Modeling Techniques using Power Query [M Language] and DAX.
- Having good experience in DAX query Language.
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Technical Skills

Databases	SQL SERVER 2022, 2019, InterSystems Cache, Oracle, Postgres
ETL Tools	SQL SERVER Integration Services (SSIS), Informatica 7.1.1, 8.6
Reporting Tools	SQL SERVER Reporting Services (SSRS), Cognos 8.X, Precision BI, Tableau 8.1 (Limited knowledge)
Programming Languages	C, C++, C#, T-SQL, Python, .NET
Third Party Tools	Precision BI, Backup Utility, SQL LiteSpeed, Excel PowerView, LiteSpeed, Pragmatic Works TaskFactory for SSIS
Operating Systems	Desktop Editions: Windows XP, Windows 7, Windows 8, UBUNTU (Debian Flavour) Server Editions : Windows Server 2022, HP Open VMS, IBM AIX

Corporate Trainings Handled:

- Conducted MSBI training programs (process and soft skills) for employees @ MindTree India Private Ltd Hyderabad.
- Conducted Postgres training programs for employees @ MindTree India Private Ltd Hyderabad.
- Delivered corporate training in SSIS SSAS And SSRS at Caliber India Pvt. Ltd Hyderabad.
- Delivered Corporate Training in MSBI and SQLSERVER at Xyenta India Pvt Ltd Hyderabad.
- Delivered Corporate Training and Quality Management training in SQL Server, SQLDBA and MSBI at Singareni Collieries Company Ltd. Kothagudem, Telangana State.
- Delivered corporate training on Python and OracleDBA at ERPA India Pvt. Ltd Hyderabad.
- Delivered corporate training on .NET Full Stack for 4Sigma Labs Pvt. Ltd, Chennai
- Delivered corporate training on Python Programming for 4Sigma Labs Pvt. Ltd, Chennai

Professional Experience

- Tech Lead at Unisys India Global Services from August, 2015 to Till Date
- Consultant at Virtusa Technologies Pvt Ltd from December, 2014 to August, 2015
- Sr Software Engineer & Principal DBA at Apollo Health Street from October, 2010 to September, 2014.
- Software Engineer at IBM Global Services from February, 2009 to October, 2010

Education:

MCA – Manomanium University Tamil Nadu Chennai

Functional Domains

- Extensive experience in EDI and HIPAA implementation including Physician Billing Systems and Revenue Cycle Management Systems in health care domain.

Skills and Strengths

- Ability to understand new skills and implementing them practically.
- Highly motivated, committed and result oriented software professional.
- An excellent team builder with exceptional ability to meet project/delivery commitments.
- Great sense of responsibility with excellent inter-personal and communication skills.
- Understanding, flexible and adoptive at working in high paced environments.
- Adapting to quickly changing business needs of clients and organization.
- Quick learner and continuous strive for excellence.

Areas of Interests:

- Mathematics
- Databases
- Operating Systems and
- Etymology

Professional Summary

Project	FASI
Client	First Allied securities Incorporation (FASI) San Diego, San Francisco
Organization	Unisys India Global Resource Pvt Ltd Hyderabad, India
Role	MSBI Engineer & SQL SERVER DBA
Duration	August, 2015 to Till Date

Project Description:

FASI is a financial client located at San Diego, LA providing Brokerage Services, Clearing services and other financial services. So far the other details are confidential.

Contribution:

- Providing the reports that the financial consultants requests for by pumping the data from views to temporary views and then by creating indexes on the temporary views.
- Worked on Execution of the paths depending on the success, failure or Completion of other tasks with precedence constraints and expressions to determine the workflow.
- Developed, deployed and monitored SSIS Packages for new ETL Processes and upgraded the existing DTS packages to SSIS for the on-going ETL Processes.
- Involved in Creation, Development and Deployment of SSIS packages in SQL Server 2012.
- Supported the existing massive ETL Processing called BDM (Brokerage Data Mart) that pull data from different vendor systems
- Involved in gathering business requirements from clients about the credentials needed to access their servers, firewall settings and management about the table structures that are to be defined and the data structure that is to be collected from the clients.
- Configured DR solution with Transaction Replication from Distribution Server with multiple Updatable subscriptions.
- Involved in assisting SQL Server prime customers with Configuration, Administration, Implementation and Trouble-shooting for Business work flow with Log Shipping mechanism
- Configured and Monitored Database Mirroring for Application Development environment
- Migration of DTS packages to SSIS packages.
- Configured Disaster Recovery solution with Transaction Replication from Distribution Server with multiple subscriptions with Updatable Subscribers for (Push & Pull) methods.
- Performed Regular Database Maintenance process, checking the disk Defrag procedures in different environments.
- Developed and optimized database structures, stored procedures, Dynamic Management views, DDL triggers and user-defined functions.
- Handled Scheduled backups and restore operations with Litespeed 5.0 and monitored the Tasks, Maintenance plans.

Environment: SQL SERVER 2012, SSDT 2012 with Pragmatic Works Task Factory as addon, LiteSpeed 5.0

Project	SUMMIT
Client	Summit, Sydney, Australia
Organization	Broadridge Financial Solutions, Hyderabad, India
Role	MSBI Engineer
Duration	February, 2015 to August, 2015

Project Description:

Pershing is a third party clearing services and best recognized out of almost 20 stock brokers for Australian Stock Exchange (ASX) in Sydney and uses a specialized application called SUMMIT with back end coding in SQL SERVER and front end in VB

Contribution:

- Analyzing the specs and Interacting with clients based on specs and discussing technical and functional aspects of specification
- Responsible for database development and performance tuning of the T-SQL queries using SQL Profiler and Activity Monitor.
- Modifying the existing Stored Procedures extracted from SQL Trace according to new requirements and WRT changes requested by customer in front end application made in VB and Unit Testing.
- Extensively worked to Design and develop SSIS packages to extract, transform and load data from different Sources like Excel files, flat files to the Data warehouse using different tasks.

Environment: SQL SERVER 2008, VSS, SQL SERVER BIDS 2008

Project	A&E
Client	Arts & Entertainment, New York
Organization	Virtusa Technologies Pvt Ltd Hyderabad, India
Role	MSBI Engineer & DBA
Duration	December, 2014 to February, 2015

Contribution:

- Involved in Technical decisions for Business requirement, Interaction with Business Analysts and Client team,.
- Gathered functional requirements and Business requirements and written the technical specifications.
- Created mapping spread sheet to map columns from current OLTP System (Source SQL Server) to legacy OLAP System (Target SQL Server).
- Created databases and schema objects including tables, indexes and applied constraints, connected various applications to the database and written functions, stored procedures and triggers.
- Designed and developed SSIS (ETL) packages to validate, extract, transform and load data from OLTP system to Staging Environment and finally in Data Warehouse.
- Secured and Configured existing SSIS packages for deployment to production using Package Configurations and Deployment Wizard.

Project	GECBI
Client	GE Healthcare, Burlington, Vermont
Organization	Apollo Health Street, Hyderabad, India
Role	MSBI Engineer, Report Developer and SQL SERVER DBA
Duration	October, 2010 to September,2014

Project Description: GE Healthcare is leading a key role in USA Healthcare with its own BI-tools like Informatics and Analyzer by using PBI (Precision BI) and Cognos for reporting purposes. These tools are being used by 41 customers spread across United States where it also provides Support on all of its tools.

GE Centricity Business Intelligence (GECBI) includes both RCMS (Revenue Cycle Management System) and Electronic Medical Records (EMR), which I was mostly involved in RCMS (GECBI)

Informatics daily extracts data from the Transactional Applications and Loads the Data into Informatics Database which is a Data Warehouse using its own components like Informatics Extractor and Informatics Loader and also uses the supporting tools like Loader utilities, SQL stored procedures and Data validation tool and queries. Reports are then developed through Precision BI and Cognos. Precision BI is a reporting tool from third-party software development company named "Precision.BI" that is partnered with GE Healthcare to deliver the BI solution i.e. Informatics.

Contribution:

- Monitoring Full/Incremental/Daily Loads and support all scheduled ETL jobs for batch processing.
- Created the automated processes for the activities such as database backup processes and SSIS Packages run sequentially using SQL Server Agent job.
- Resolving the reporter issues on thick client that is installed on the customer's end users machine.
- On-Call support to esteemed customers to resolve issues for business requirements.
- Good in solving request cases such as adding fields to Fact and Dimensions as requested by the customer and make sure that the field(s) is backfilled per customer's request after adding them in reporting layer
- Good in handling the Scheduled Jobs (Reports that trigger after the ETL Process completion) & Web Dashboards.
- Identifying the corrupted Scheduled Jobs and Dashboards that are post load activities and bringing them back to track.
- Writing basic shell scripts to transfer the files from the Intersystems cache that works on wide variety of operating systems.
- Implementation and delivery of BI platform solutions to develop and deploy ETL, analytical, reporting and scorecard\dash boarding on SQL Server 2008/2008 R2 using SSAS, SSIS/DTS, SSRS and Precision BI
- Purging of the old data that is no longer required in the production database.
- Performed Database Refresh tasks from production to Development and Staging Servers
- Used SQL Profiler for Performance monitor to resolve Dead Locks and long running queries by checking appropriate changes to Transaction Isolation levels.
- Created traces using SQL server profiler to find long running queries and modify those queries as a part of Performance Tuning operations.
- Created and when required, modified already existing stored procedures, triggers, views, indexes.
- Responsible for monitoring and making recommendations for performance improvement in non GE hosted databases. This involved index creation, index removal, index modification, file group modifications, and adding scheduled jobs to re-index and update statistics in databases.

- Performed Regular Database Maintenance process, checking the disk Defrag procedures in different environments.
- Resolved issues for mission critical high usage of system CPU, Disk, Deadlocks and Transaction per/sec, Memory.

Environment : SQL SERVER 2000/2005/2008/2008R2/2012, GE Utilities, GE Loader, SSIS Packages, Precision BI, Precision Load Balancer for Web Reports, Precision Presentation Center, Extractor (for source systems)

Project	Rushmore
Client	Lincoln Financial Group, Fort Wayne, Indiana
Organization	IBM Global Services. Hyderabad, India
Role	Report Author
Duration	February, 1999 to October, 2010

Project Description: Lincoln National Corporation is the annuity division of LFG which operates and services at Fort Wayne, Indiana. Lincoln had two annuity processing systems. They are APS and Vantage-One.

APS: APS is an automated Annuity Processing System, which supports the administrative, accounting and reporting functions of an Annuity operation. The system processes variable annuities, fixed investment annuities. It handles contracts for individual annuities, group Annuities.

VANTAGE-ONE: Vantage-one is proprietary software of CSC. The main objective of the Vantage Interfaces is to ensure passage of data from the Vantage-One base system to the other applications in the Lincoln system

Contribution:

- Developed 45 Report Studio reports.
- Developed some complex Reports by using calculated fields in Report Studio.
- Created Ad-hoc report using Query Studio and Report Studio.
- Created standard and Ad hoc reports using Cognos Query Studio.
- Created complex calculations, various prompts, conditional formatting and conditional blocking etc., accordingly.
- Discussed with clients about their present reporting system and understand their current reporting issues to meet their needs.
- Closely worked with Cognos Support team for troubleshooting complex issues.
- Coordinated with functional users for User Acceptance Testing prior to releasing system changes in production.
- Maintained users, groups, and roles and assign them respective privileges as per business needs.
- Trained business users on how to create ad-hoc reports using Query Studio.
- Creating Query Prompts, Calculations, Conditions and Filters in the Report.
- Used Drill through reports to link two or more reports.
- Involved in Manual Testing.
- Scheduled and Distributed reports using Schedule Management in Cognos Connection.