**Gaur Prakash Shukla**

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**Summary:**

Gaur has over 14+years of IT experience in various domains working as Data Engineer. He worked on Database Design and Development, Microsoft BI Solutions, ETL Development, Data warehouse architecture Implementation, complex business report development using SQL Server 2012/2008R2/2008, SSAS, SSIS, SSRS, TSQL, SQL replication. He has extensively worked in Database development for OLAP Systems (SSAS) using Business Intelligence Development Studio tool (BIDS). He has a vast experience in Analysis services development (both star and snowflake schemas) of multi-dimensional models and tabular models using SQL Server 2016/2012/2008R2/2008.

He has experience in ETL using SSIS for Data Extractions, Transformations and Loads, Enterprise Reporting solutions using SSRS 2012/2008R2/2008, Power BI (Excel /Desktop) tools and SharePoint Service. He has experience in coding of programming languages like C#, VB .Net. Through experience of entire Microsoft DW/BI tool stack including integration/migration in emerging technologies. In past, He worked on architecture and design experience in project management tool e.g. Project sever /project professional/project web access. He is experienced in data replication tool like at unity, SQL replication.

Gaur has vast customer facing experience on requirement gathering and analyzing business problem. Hands on experience in all phases of SDLC (software development life cycle) and SCRUM involving Requirement analysis, Software design, development, implementation, testing, maintenance.

Last year Gaur was involved in creating various AWS cloud/Python feeds to customer and gained significant experience in various AWS services such as Fargate, Lambda, S3,EC2,RDS. He has also gained good experience on CICD process using several tools such as Bamboo pipeline and bitbucket.

**Education:** Bachelor of Technology in Electronics and communication systems.

**Skilled:**

**Technologies and Tools –**

TSQL, SSIS, DAX, MDX, SSRS, VB.Net & C#, Java Script, HTML, Microsoft BI Suite (SQL Server 2012, SSAS, SSIS, SSRS), Power BI and Cloud Computing/XMLA/JSON /YAML, windows power shell, Visio, MS SQL Integration Services 2012, MS Excel, Visual Studio 2008, Jira, MOSS 2007,Project server 2007, TFS, SQL Profiler, SQL Master Data Services, SQL & Attunity replication, hands on experience on fargate, lambda, S3, EC2,Coud formation Template.

**Insurance product** – Basic understanding of Genius policy/claim management system, QNXT Healthcare Solution.

**Project Details:**

**Cognizant Technology Solution**

**Location - Mississauga (ON)**

**6/2020 – Till now**

The Client is one of the respected third-party claims administrator. Gaur is part of client’s claims data processing team and responsible for delivering claims and financial data back to customers. Gaur is responsible for understanding data feed requirement, interacting with business analysts, and writing understanding document. Gaur also work with technical architect to understand the data processing design and implement them using various tools and technologies.

**Responsibilities:**

* Gather business requirements, design discussions and documentations.
* Work on setting up cloud shared infrastructure such as vpc, s3 buckets, security groups, RDS.
* Extract/load data from various source system in database using SSIS, AWS glue services.
* Develop docker images using Python/T-SQL program to extract Policy, claims, financial data from various sources and prepare the data feed in the format requested by customers.
* Automate data feed delivery using Sql agent, AWS serverless services such as fargate, lambda and execute docker images to create output files in S3 buckets.
* Perform peer code review and validations. Also perform deployment using CICD process using tools like bamboo/bitbucket.

**Environment:** MS SQL**,** SSIS**,** RDS( MS SQL/My SQL),AWS glue, fargate, lambda, S3,Python, bamboo forge, bitbucket

**Cognizant Technology Solution**

**Location - Dover (NH)**

**12/2013-6/2020**

Client is one of the respected Auto/commercial/Specialty insurance providers worldwide. LM specialty market has a large data warehouse to support it’s Underwriting, Finance and claim business users.

Gaur Prakash Shukla is part of design, development and daily operational support of Finance and Underwriting BI, based on established best practices of Cognizant’s project standards. Create technical artifacts, reusable components and proof of concepts to build data warehouses, set up various data loads using ETL tool like SSIS and support high performing business intelligence and data mining reports. Act as a subject matter expert and a technology specialist, offer educated solution recommendations to customers for given problem definitions. Utilizing Cognizant’s best practices, Gaur Prakash Shukla evaluates business requirements and develop operational and analytical reports for business using SQL Server Analysis server (SSAS), Power BI, DAX, MDX and SSRS. Identify relationship and dependencies between the data sources, implement data security and integrity, Safe-Agile Methodology as acquired through Cognizant’s learning, development program (Cognizant Academy) and Cognizant on-the-job experience. Responsible for the operational maintenance, resolving production outages, system improvements by version upgrades, data management in operational and analytics databases. Collaborate with data analysts to understand and aid in the database requirement implementations and troubleshoot existing issues. Monitoring SLA performance, track defects, derive metrics and conduct reviews

**Responsibilities:**

* Gather business requirements and implement solutions to meet business needs.
* Develop SSIS ETL's to extract Policy, claims, reinsurance data from various sources and load in data warehouse using SQL Server Integration services and Visual studio 2017.
* Optimize Business Intelligence and Data warehouse systems to provide near real time data to business users.
* Migrate legacy BI system to new underwriting BI system and improve performance by 50%.
* Design and maintain master data using SQL Master Data Services.
* Build OLAP models using SQL Server analysis service and Power BI.
* Develop and support dashboards, data visualizations using power BI and SQL Reporting services. Enable self service reporting and data discovery.
* Troubleshoot and resolve systems, data quality issues and restore them back to normal within agreed SLA.
* Identify and fix system performance such as CPU/Memory/Disk Latency issues using tools like Solar winds, SQL Sentry and SQL Activity monitor.
* Automate manual reporting process, using windows power shell scripting & SQL Agent.
* Customize and maintain real time data replication using tools like Attunity Replicate, SQL replication.
* Build data sets as per application business rules and configure automated, scalable data processes.
* Train teams regarding underwriting data applications and coordinate with other team members on technical issues and restoration.

**Environment:** Microsoft SQL Server 2005/2008/2008R2/2012, MS Windows Server 2003/2008, SSAS, SSIS, SSRS, Multidim/Tabular modeling, MDS, T-SQL, SQL CLR, XML, Team Foundation Server2010 (TFS), C# dot net/MDX/DAX.

**Infosys Technology Ltd.**

**Location- (Long Beach) CA**

**07/2012-11/2013**

This healthcare client is one of the leading healthcare (Medicare/Medicaid) providers. They have ODS (operational data store) which works as a data store for entire Molina. It loads all the data from QNXT to ODS/Datamart which have all type of claims and master data. As all teams doesn’t have QNXT access, they look for ODS for any type of data/reports etc.

Current project is to load data from QNXT to ODS/DataMart by creating ETL’s and prepare different OLAP/SSRS reports for health plan.

**Responsibilities:**

* Modified the existing report and develop new report based on user requirement/template.
* Deployed and scheduled Reports using SSRS to generate all daily, weekly, monthly and quarterly Reports including current status.
* Migrated SQL Server Reporting Services Reports From 2005 to 2008 R2.
* Prepared the Layouts by placing the fields to the appropriate place according to the requirement of the final Report.
* Created standard report Subscriptions and Data Driven report Subscriptions.
* Created reports using SSRS from OLTP and OLAP data sources and deployed on report server
* Created tabular, matrix, chart, drilldown reports, parametric, cascaded reports and dashboards and scorecards reports according to business requirement.
* Created ad-hoc and automated reporting solutions.
* Created schemas, views, and stored procedures.
* Writing SQL scripts to Insert, Update and Delete data in MS SQL database.
* Dropped and recreated the Indexes on tables for performance improvements
* Worked with business users to clarify reporting and requirements and business rules.
* Designed, developed, implemented and validated reports and dashboards for business users.
* Troubleshoot, optimize, and tune SQL.
* Maintained existing code and fix bugs whenever needed.
* Conducted data analysis; identify issues and recommend and implement solutions.
* Used Team Foundation Server (TFS) for version control, source control.
* Developing power pivot reports/dashboard.

**Environment:** Microsoft SQL Server 2005/2008/2008R2, MS Windows Server 2003/2008, SSAS, SSIS, SSRS, Visual Studio 2005/2008, VB, T-SQL, XML, Team Foundation Server2010 (TFS), SharePoint2010.

**Infosys technology Ltd.**

**Location- Houston (TX)**

**2/2010- 06/2012**

**Programmer Analyst**

MS SQL Server/SSRS/SSIS/VB.net Developer /Support of Share point 2007/Project server 2007 Environment

The client is one of the world’s leading oil exploration and Production Company. They are involved in marketing and refinery as well. I was working with 2 groups

a) E&P operation and excellence, process excellence team by supporting their MS Project server 2007 application by preparing reports, preparing project plans, fixing any technical issue and administrating Share point /project server environment.

b) Develop and maintenance of Environment, health and safety team (EHS) of VB.net based web application /preparing SSRS/SSAS reports/loading data from multiple source like synergy etc. to EHS application.

**Responsibilities:**

* Designed ER diagrams and mapped the data into database objects.
* Involved in analyzing and solving problems during Client Application systems installing, upgrading and running stages.
* Designed and created different ETL packages using SSIS from Multiple source to SQL Server as destination.
* Created new logical and physical design of database to fit new business requirement and implemented new design into SQL Server 2005.
* Wrote SQL scripts to Insert, Update and Delete data in MS SQL database.
* Dropped and recreated the Indexes on tables for performance improvements
* Created schemas, views, stored procedures, Triggers and functions for Data Migration.
* Conducted database management, performance measurement and performance tuning for new databases and existing databases by using SQL Profiler, SQL Analyzer and SQL Enterprise Manager.
* Designed a report on the monitoring of Server Performance using Task Manager. This report gives a detail report to the management on the Performance of the server.
* Created database, tables and procedures to update and clean the old data.
* Worked with the front end application developers with their queries.
* Created SSIS Packages to import and export data from Excel, XML and Text files.
* Transformed data from various data sources using OLE DB connection by creating various SSIS packages.
* Configured SQL mail Agent for sending Automatic emails on Errors.
* Involved in writing different testing scripts for the testing of the Codes in ASP.Net.
* Created star schema in SSAS and developed SSRS reports based on the cubes.
* Created foreign key constraints and Referential Integrity checks to maintain the optimal performance.
* Monitored the overall performance of the database to recommend and initiate actions to improve/optimize performance.
* Support Share Point based Project server 2007 to around 300 users
* Prepare and provide training of MS project 2007 on how to prepare project plans.

**Environment:** Microsoft SQL Server 2005/2008, MS Windows Server 2003/2008, SSAS, SSIS, SSRS, Visual Studio 2008, VB, ASP.NET, T-SQL, MS Project server 2007,MOSS 2007

**Infosys Tech LTD. Bangalore (India)**

**7/2009– 1/2010**

**MS BI/SQL developer**

The client is one of the big oilfield service provider company, I was involved in developing a web application which tracked all tools and their parts used in drilling etc.

My main work was involved with creating few web pages and preparing different SSRS reports

**Responsibilities:**

* Wrote several scripts such as finding long running queries, blocking sessions, archiving data from production server to archive server and populating reporting.
* Developing and making changes in web pages.
* Involved in complete life cycle of SSRS (Authoring, Managing and Delivery reports)
* Worked on all types of report types like Tablix, matrix, charts, sub reports etc.
* Created Linked reports, Ad-hoc reports and etc based on the requirement
* Generated Daily, Weekly and Monthly Trigger based reports regarding assigned projects to designated Managers and Clients.
* Created Stored Procedures to transform the Data and worked extensively in T-SQL for various needs of the transformations while loading the data.
* Created SQL reports, data extraction and data loading scripts for different databases and schemas.
* Maintained SQL Scripts for creation of Database Objects.
* Involved in various stages like Development, System Analysis & Design and Creating Stored Procedures.
* Wrote stored procedures in SQL Server 2008 to access Employee’s and Manager’s Data. Maintained reliability and availability of existing MS SQL environments.
* Suggested Cost saving Techniques. Designing/ Implementing Backup policies for databases.
* Involved in project management and coordinated with offshore development team.

**Environment:** Microsoft SQL Server 2008 Enterprise Edition, MS Windows Server 2008, , Visual Studio, C#, ASP.NET, T-SQL, SQL Server Reporting Services, SQL Server Integration Services, Visual Source Safe.

**Infosys Tech Ltd. Bangalore (India)**

**09/2006 – 6/2009**

**EPM/MS BI Developer**

MS Project Server 2007 Developer/MS SQL Server/SSRS Developer

The client was one the leading oilfield service provider company (acquired by Schlumberger now)

The client wanted to implement Enterprise Project management solution (project server environment) to centralize their project management needs like project related information’s, cost, deadline, baseline and how much the projects are lagging etc.

My work was to install SharePoint 2007/project server 2007, customize project server 2007 solution, creation of OLAP cubes, and prepares SSRS & Excel reports, post go live production support.

**Responsibilities:**

* Actively involved in designing the logical and physical architecture.
* Customization of Project server 2007/Share point 2007 sites
* Administration of Project server 2007 environment
* Regular patch/CU updates in servers.
* Created Cross-Tab, Drill-down, Drill-through and Sub-Report using RDL. Promoted RDLs to Reporting Service Server. Wrote the queries for the drill down reports.
* Authored performance based reports for the managers to show usage of CPU’s against various measures like Time, Area and Price-Range.
* Experience in Designing, Building the Dimensions, cubes with Star schema and Snowflake using SQL Server Analysis Services (SSAS) for analyzing purpose.
* Involved in optimize stored procedures and queries for faster retrieval and Server efficiency.
* Created and modified data driven subscriptions, fine-tuning subscription execution.
* Identified and worked with parameters for parameterized reports in SSRS in SQL Server 2005.
* Created and Configured OLAP Cubes using SQL Server 2005 Analysis Services and Performance tuning and scaling to large numbers of users.
* Handling post production support for this application.

**Environment:** MOSS2007,Project server 2007,MS Project 2007**,** MS SQL Server 2005 Enterprise Edition, Windows 2003 Enterprise Edition, ,SSRS, SSAS,

**Certifications and continuous learnings –**

AWS Solution Architect Certification-Associate

MS 70-448 Microsoft SQL Server 2008, Business Intelligence Development and Maintenance

MS 70-466-Implementing Data Models and Reports with Microsoft SQL Server

Big data and Hadoop Developer training/certificate from Edureka.

Learning various AWS/Azure cloud System.

#### **LinkedIn profile –**

#### <https://www.linkedin.com/in/gaur-shukla-mcp-mcse-25793a23/>

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