

SAURABH PRATAP SINGH

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Professional Summary

* Professional Background

- 12 Years of experience in Full Lifecycle of BI and Data Warehousing projects inclusive of requirement analysis, design, development, testing, automation, implementation, and application support.
- Hands-on experience in Python, Bigdata Hadoop, Oracle, SQL Server, Informatica, Wherescape RED ETL , Talend BigData ETL , AWS Services(S3,EMR, Redshift) and various other AWS Cloud services.
- Writing design and program specifications, development, performing code reviews, performance tuning.
- Experienced in working major clients in the domain of Banking, Insurance FMCG and Telco giants.
- Trained in latest technologies like Big Data, Data Visualization& snowflake.

*Roles & Responsibilities

- Performed Source System Study, Requirement gathering and data analysis.
- Lead an application support team for delivery of AWS Redshift/Talend Bigdata solution for FMCG client.
- Lead a development team for delivery of AWS Redshift/Wherescape solution for insurance client.
- Lead a development & application support team for delivery of Teradata/Informatica for FMCG client.
- Lead a monitoring team which monitors for critical processes in production for an FMCG client.
- Performed Source System Study, Requirement gathering & data analysis.
- Handled certification drive for 150+ resources across NA market projects.

ACADEMIC QUALIFICATIONS

B. Tech from K.I.E.T (Ghaziabad) UP Technical University, Lucknow (2008)

TECHNICAL EXPOSURE

Programming Languages	SQL, Python, Pyspark
Data base	AWS Redshift Database, Document DB, Oracle, MSSQL Server
ETL Tool	Talend Bigdata ETL, Wherescape Red ELT, Informatica
Operating System	UNIX, Windows
Other Tools	Putty, WinScp, HPSM, JIRA, Control M, GitHub, Workbench

PROFESSIONAL EXPERIENCE

Work Experience Summary

- **Accenture Solutions Ltd** from April 2014 to present, as **Associate Manager**
- **Wipro Technologies** from June 2009 to March 2013, as **Sr Software Engineer**

Certifications

- AWS Certified Developer
- AWS Certified Data Analytics Specialist
- Oracle Certified SQL Associate
- Talend Bigdata Certified Developer

Organization**Accenture Solutions Ltd****Project #1:****McDonalds' Helix Program**

Working on maintenance and enhancement of McDonalds data transformation warehouse, Data pipeline application support to ensure quality insights to client and business users across domains(Sales, Customer, Restaurant, Supply chain).

Responsibilities

- Lead Supply Chain, Restaurant team for production application support delivery of AWS Redshift-Talend Bigdata solution.
- Being Data Engineering lead, provide triaging for complex production issues in system and provided functional\technical guidance to the team members.
- Handling the production incidents, service requests with ZERO SLA breaches.
- Detailed investigation and resolution of job failures using Talend management console-developer studio.
- Handling deployments, breakfix,bugfix to production environment.
- Drive Bi-weekly status calls with client product owners to discussion on various issues\resolution and continuous improvement areas.
- Lead monitoring team of 8 resources and make sure the 24*7 effective process monitoring across all the domains and technologies.
- Managed on time delivery of all the client reports and internal status reports as well.
- AWS Redshift, MS Sql server, Talend Bigdata, AWSS3, EC2,EMR, HDFS & Unix.

Duration**14 Months** (May 2020 to till date)**Team Size****15**

Organization**Accenture Solutions Ltd****Project #2:****AON Health & Benefits Reporting & Analytics****Project Description**

AON H&B data warehousing project deals with health insurance and benefits take up data of various clients. Source data of clients is maintained in source system named as TBS (Total benefits system) and it is based on sql server. Data is ingested to Datawarehouse once it's profiled and analyzed. Wherescape Red ETL tool is performing the loading of data to warehouse layers (Loading, Cleansing, Persisted) and eventually to facts and dimension. Reporting is performed using Jaspersoft dashboard and based on top of logical and vnext views. All the warehouse objects are maintained in AWS redshift Database.

Responsibilities

- Lead the Data Engineering team from Offshore.
- Development of new Facts and dimensions as per business requirement.
- Create various test cases, test results to provide quality and accurate code without any defects.
- Enhancement of existing facts and dimension objects as per business requirement.
- Create the Technical design document, Knowledge materials, Runbooks, Status reports to handle the process effectively.
- Directly worked with client with least onshore interface.
- Handled the deployment process and deployed the code changes to build\UAT\Pre-prod and production environment.
- ETL jobs monitoring using the Wherescape Red workflow monitor.
- Timely and accurate investigation of prod job failures, Bugs.
- Offshore resource management to effectively deliver the solution for production support issues.
- Analysis of source database objects (sql server) and target database objects (AWS redshift) to debug any specific bug.
- Mentor the junior resources wherever required.

Duration**14 Months** (Jan 2019 to April 2020)**Team Size**

10

Organization **Accenture Solutions Ltd**

Project #3: PepsiCo MDM

Project Description MDM (Master Data Management) deals with various Source systems and Domains. It manages the Customer, Material, Location, Finance, Vendor, IBOM etc. information and reference data There are various types of stages to manage and publish the data to the down streams respectively and MDM provide User Interface to maintain Golden global attributes not found in any source.

Responsibilities

- Lead the Development & application support team from offshore.
- Developing\Testing, Deployment of Teradata stored procedure Code as per enhancement requirement.
- Create various test cases, test results to provide quality and accurate code without Production defects.
- Create the Technical design document, Knowledge materials, Runbooks, Status reports to handle the process effectively.
- Directly worked with client with least onshore interface.
- Handle the production support issues under strict timelines.
- Handling the incidents, service requests without SLA breaches.
- Work with end users for adhoc service requests.
- ETL jobs monitoring using the Informatica workflow monitor.
- Detailed investigation of job failures using workflow manager\developer.
- Performed Unit testing, maintained test logs, test cases and logged defects for the Informatica mappings to QC tool.
- Database, ETL (Informatica server), Weblogic server outage management.
- Create outage plan while coordinating with all stakeholders.
- Offshore resource management to effectively deliver the solution for production support issues.
- Incident and Service request management using HP GSM tool.
- Handle Weekly status calls with client to update on various issues and discuss business requirement details with Client.
- Create weekly status deck for incidents, Service request of the week which is being shared with Accenture\Pepsico leadership.
- Maintain runbook for frequent production support issues.
- Mentor the junior resources wherever required.

Duration **55 Months** (April 2014 to December 2018)

Team Size 7

Organization **Wipro Technologies Ltd**

Project #1 **UNINOR**

Project Description The project is to build the enterprise data warehouse for UNINOR. This project is basically developed for Business Intelligence and Security Agencies. For Security agencies they required CDR's (Call Detail Record) to detect criminal activities and frauds. Data load on hourly basis for CMSA (CDR Module Security Agencies) to provide updated CDR to security agencies and load the aggregate data with nightly jobs.

Responsibilities

- Involve in performance Tuning of Queries using **indexes and collecting statistics\EXPLAIN PLAN.**
- Taken care of SQL queries performance by minimizing the **skewness.**
- **Perform ETL** activities through **Informatica** and **Teradata.**
- Involved in creating **Teradata Bteq Scripts\Fastload Scripts** for loading data from staging to CLDM.
- Wrote the script for **data loading of aggregated table.**
- Developing new scripts and writing **Teradata SQL** to Support Business User at All India level.
- Handled Client calls and interacted the clients face to face.
- Unit Testing, Integration testing, Defect analysis and fixing.
- Working on issues like **Data Issues on Reports**, User Access, Loading of data, Hierarchical changes.

Duration **45 Months** (June 2009 to March 2013)

Team Size 10