**RAJENDRASINH RANA**

**(902) 943-6444 |** [**rajendrasinh.r@gmail.com**](mailto:rajendrasinh.r@gmail.com) **| www.linkedin.com/in/RajendrasinhRana**

**ETL/BI LEAD | TEAM LEAD | DATA ARCHITECT**

An accomplished technologist and people leader with over 9 years of expertise in analysis, design, development, implementation, and administration of Business Intelligence, Enterprise Data Warehouse, and Database solutions. Adept at designing, developing, and testing Web Applications and REST API Services. Diverse industry experience such as Insurance, IIOT, Finance, Healthcare, and pharmaceutical.

**Core Competencies:**

ETL/ELT for large-scale Enterprise Data Warehouses | BI Solutions | Data Integration | Data Analytics | Data Visualizations | Dimensional Data Warehouse Solutions | Data Architect | Data Modeling | Data Migration | Data Governance | Data Privacy | Data Mapping | Statistical Analysis | Database Architect | Database Design, Development, and Administration | DevOps | Automation | Software Development | Web Applications | REST API Services | Cloud Solutions | Unit Testing | Process Documentation | Agile Scrum | ITIL | Software Development Life Cycle | Strong Communication | Training | Mentoring | Troubleshooting | Customer Support and Management Skills | Business Analysis

**Technical Skills:**

MS SQL Server 2019-2005, SSIS, SSRS, SSAS, T-SQL, Power BI, Azure Data Factory, Azure Data Studio, Tableau, Spotfire, QlikView, OBIEE, Oracle, PL/SQL, PostgreSQL, SOQL, OWB, SAS, NoSQL, Cassandra, Predix Timeseries, VBA, VBScript, PowerShell, Angular 2/6 Typescript, C#.NET, Java, JavaScript, HTML, CSS, Python, AWS, Azure, Salesforce, Flyway, GitLab, GitHub, TFS, Jenkins, Postman, Redis Cache, MSMQ, RabbitMQ, Swagger, Splunk, JSON, XPATH, XML, UFT, Erwin Data Modeler, MS Visio, Toad Data Modeler, MS Visual Studio 2017-2008, IntelliJ, WebStorm, JIRA, Rally, Confluence.

**EXPERIENCE**

**Medavie Blue Cross –** Remote 7/2019–Present

**LEAD ETL/BI**

Designed and developed industry-leading BI/Analytic solutions. Build, managed, and inspired a high-performance team of BI Specialists/Analysts.

**Technical Strategy**

* Built strategy and design for ETL/Analytic/BI data solutions to drive business results and insights.
* Provided technical expertise and implemented Database and DW best practices and procedures in designing and developing highly scalable, highly available and performant Dimensional DW solutions.
* Created self-serve data analytics framework using SSAS and Power BI that helped the underwriting team with group quotes, operations team with claims processing, and sales team to grow business.
* Designed and developed complex ETL pkgs and data pipelines that bring data from different transactional data sources namely Oracle, SQL Server, DB2, Flat file, AWS, and Azure cloud into DW.
* Expert in SQL to extract, transform and analyze large data sets to deliver business insights.
* Identified bottlenecks and inefficiencies and added innovative methods for capturing and delivering business-critical data.
* Expert with data visualization, creating dashboards, and analytics using Power BI and Tableau.
* Created BI solutions for various cross-functional teams across the organization helping them drive strategic decisions and new initiatives.
* Designed and developed solutions for migrating legacy ETL and reporting systems.
* Extensively worked with cross-functional teams, business users, and key stakeholders to define and gather requirements to build KPIs, track business growth, and measure the effectiveness of key businesses strategies.
* Developed and implemented data governance and quality standards as per industry specifications.
* Created Relational model, ER diagrams, Logical and Physical data models for DataMart.
* Designed DB Migration strategy and build automated DB migration process using Flyway and GitLab.
* Lead and deliver multiple strategic data projects on tight timelines.

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* Extensively worked with the external vendor for data migration projects.
* Worked closely with the security team for designing VPD solutions for data security and privacy.
* Expert in presenting technical solutions and non-technical details to higher management.
* Co-ordinate with the QA team in various testing phases by resolving the defects and ensuring smooth execution of the test plans.
* Developed Architecture documents and detailed design documents for ETL, Reporting, and Analytics solutions.
* Co-ordinated deployment activities and supported release teams by creating deployment documents.
* Created project plans and status reports for multiple concurrently running projects and made sure each project gets completed well within time and budget.
* Initiated regular architecture meetings for application improvement and design changes.
* Supported operational activities on a daily basis.

**Team Leadership**

* Coached, mentored, and trained team members on the new BI/ETL toolset.
* Build, managed, and inspired a high-performance team of BI Specialists/Analysts.
* Worked with higher management and HR for budgeting, resource allocation, and hiring new talents.
* Conducted yearly performance reviews for team members.
* Worked with senior leadership to communicate project progress and timelines.
* Identified each team member’s strengths and weaknesses and helped guide and direct them on improving their weakness and reaching their objectives.
* Build and maintained a strong working relationship with peers across business lines, key stakeholders, business analysts, and QA teams.
* Introduced lunch and learn sessions and pair programming for team members which immensely helped build new skillset within the team and supported a culture of continuous improvement.

**General Electric (GE Digital)**, Chicago, IL 9/2016–06/2019

**Senior Software Engineer – Database lead**

Designed, developed, tested, and implemented features for APM SmartSignal Industrial IoT (Internet of Things) application and led the migration of on-premise products to the cloud. Practiced agile scrum methodology while strategizing and implementing solutions.

**Technical Strategy**

* Implemented database best practices and procedures in designing and developing highly scalable, highly available, and performant cloud solutions.
* Saved company millions by developing Proof of Concept (POC), migrating time-series data from Predix Timeseries DB to Postgres DB.
* Built strategy and improved database and UI performance by 50%, utilizing customer feedback and creating enhancements based on client feedback.
* Uncovered saving opportunities for customers by re-designing database and implementing physical table partitioning in on-premise database to store more data effectively and efficiently.
* Extensively used SSIS for migrating data from on-premise MS SQL Server database to Azure Cloud storage, Postgres, and SQL Server database.
* Designed, developed, and tested web applications and RESTful APIs.
* Solved critical database performance issues in cloud i.e., Postgres DB and on-premise i.e. SQL Server DB application, working across teams and delivering within the timeline.
* Created dashboard and paginated reports using SSRS and Power BI.
* Created, managed, and modified Relational model, Entity-Relationship diagrams, Logical and Physical data models for the cloud database architecture using the Toad data modeling tool.
* Participated in regular architecture meetings for application improvement and regular code reviews.

**Team Leadership**

* Mentored, Coached, and Trained Junior Developers, Interns, and Offshore teams.
* Build and maintain a strong working relationship with peers across the business lines.

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**Vforce Infotech** 2/2013–8/2016

**SENIOR ETL / BI / DATABASE Consultant**, 2/2016– 8/2016

**Client – Enlivant,** Chicago, IL

ETL Project Lead for creating a new Data Warehouse for storing historical tenant-level data and supported front-end application feature enhancement using C#.

* Extensively worked on creating SSIS packages for extracting data from Oracle, MS SQL Server, DB2, flat-file data sources; transformed and loaded into Enterprise Data Warehouse.
* Extensively worked on database performance optimization.
* Expert in T-SQL for creating complex Stored Procedures, User Defined Functions, Triggers, Views.
* Created source to target mapping document.
* Created daily, weekly, monthly, and quarterly business reports using OBIEE to help the business achieve its quarterly sales targets.
* Created, managed, and modified conceptual, logical, and physical data models for OLTP and OLAP systems using MS Visio.
* Supported front-end application feature enhancement using C#.
* Practiced agile scrum methodology for an ETL project.
* Worked on SQL Server Column Level Encryption.

**SENIOR ETL / BI / DATABASE Consultant**, 4/2015–1/2016

**Client - Alexion Pharmaceuticals,** Cheshire, CT

ETL/BI Lead for creating ETL process for loading patient lab data, physician claims data and account claims data into the Business Data Warehouse. Created business reports and migrated data from legacy database to new business Data Warehouse.

* Designed, developed, tested, and documented ETL process for new business DW using SSIS.
* Expert in creating SSIS packages with error handling using complex data transformations like Fuzzy Look Up, For Each Loop, Multi Cast, Column Conversion, Fuzzy Grouping, Script Components, Conditional Split.
* Responsible for implementation of Data Viewers, SSIS Logging, Error Configurations, and package configuration in SSIS.
* Developed ER diagrams, multidimensional data models, logical and physical data models using ERwin data modeling tool.
* Created reports such as Nation PNH Testing Report, Pathway ICD9 Codes report, National Lab Report, Nation Positive Report using SSRS and Tableau.
* Made business predictions by deploying R models in Prod env and using SQL Server with the combination of Python and T-SQL.
* Worked extensively on T-SQL query optimization and database optimization.
* Trained and mentored offshore teams and junior staff.

**SENIOR Database Consultant**, 12/2014–3/2015

**Client - CIT Group Inc.**, Livingston, NJ  
Data Migration Lead for migrating legacy Rail Past Due application (VB/MS Access) into C#.NET / SQL Server.

* Designed, developed, tested, and documented Rail Past Due application using C#.Net and MS SQL Server.
* Worked extensively with business users and stakeholders for requirements gathering and understanding the legacy application workflow.
* Extensively used SSIS for migrating data from MS Access to MS SQL Server OLTP database using different control flow tasks and data flow components.
* Wrote T-SQL test scripts to test the data generated by the application.
* Expert in creating database objects like Stored Procedures, Triggers, Functions, Indexes, CTE, Views, and Index Views.
* Extensively worked on troubleshooting and resolving Prod application issues.
* Developed a data dictionary for the new Rail Past Due application.

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**ETL / BI Consultant**, 4/2014–11/2014

**Client - Viking Global Investors, L.P**, Greenwich, CT

Created data mart for the accounting department and supported backend of new Foreign Exchange Blotter system.

* Designed, developed, tested, documented, and implemented ETL process using SSIS.
* Created source to target mapping documents.
* Designed a statistical analysis model using SAS for P&L and Fx.
* Implemented delta load technique for loading data mart.
* Created custom SSIS packages to load slowly changing dimension tables.
* Created reports such as Fx Transparency report and Fx SOD position report using Tableau.
* Developed a data dictionary for the new accounting data mart.
* Practiced agile scrum methodology while strategizing and implementing solutions.

**SSIS / DW / BI / database Consultant**, 3/2013–3/2014

**Client - Black Knight Inc,** Westminster, CO

Created a new Data Warehouse to support business needs.

* Involved with all phases of Data Warehouse development including analysis, design, development, testing, and documentation.
* Extensively used SSIS for moving data from different OLTP data sources into OLAP SQL Server Data Warehouse.
* Created source to target mapping document.
* Extensively used UML methodology for creating and maintaining Data Flow diagrams, Activity diagrams, Sequence diagrams, Logical and Physical data models using ERwin.
* Worked on performance tuning of databases and solved critical database performance issues.
* Wrote rollout and rollback T-SQL scripts for database migration.
* Developed reports like AssetValuation, ClientDaily, ValuationSummary, AssetManagerBonus, DailyPerformance, AssetClosingAnalysis, ClosingPerformance using SSRS.
* Designed and developed SSRS reports with interactive sorting and conditional formatting using expressions and functions.
* Created SSAS cube for each subject area such as ValuationCube, AssetCube, ClosingCube, EvictionCube, CodeViolationCube and exported it in Excel for quick testing of each fact measure.

**CAREER TRAJECTORY:**

**Graduate Assistant,** University of Massachusetts, Dartmouth, MA, 2/2011–1/2013

**Assistant Design,** L&T Technology Services Limited, Vadodara, India, 2/2009–12/2010

**Customer Service Representative**, American Computer Connection, Vadodara, India, 3/2008–1/2009 **Database Developer**, Parikh Projects, Ltd, Vadodara, India, 5/2007–2/2008

**EDUCATION:**

**Master of Science** (Computer Science)

University of Massachusetts, Dartmouth, MA

**Post Graduate Diploma** (Computer Application)

Maharaja Sayajirao University of Baroda, Gujarat, India

**Bachelor of Science** (Mathematics)

Maharaja Sayajirao University of Baroda, Gujarat, India

**CERTIFICATIONS:**

* ITIL 4 Foundation
* Professional Scrum Master

**CANADA STATUS:** Permanent Resident (PR)