**RAVI POTU** SAFe4®, AWS®, SNOWPRO®

**SR Snowflake Developer**

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Permanent Resident: Authorized towork anywhere in the USA

**PROFILE SUMMARY**

Accomplished Data Architect and BI Engineer with over 13 years of extensive experience in modern data architecture environments, including Cloud, Hadoop, NoSQL and Cloud adoption and migrations. Renowned for developing scalable, future-proof solutions to meet evolving business needs. Expert in creating Cloud-native data solutions utilizing Snowflake, Streams, Tasks, S3 Buckets and AWS APIs, facilitating transformative initiatives and enhancing performance. Proficient as a Subject Matter Expert in BI, offering hands-on technical expertise & training in Power BI, Tableau, MicroStrategy, Quicksight, Google Looker, Cognos, Business Objects, Informatica, and OWB.

* Excelled in leading and delivering technical projects, adept at resolving architecture-related challenges and aligning business solutions with technical infrastructure.
* Holds specialized domain expertise across Healthcare, Federal Gov, State Gov, Pharma, Banking, and financial industries, underpinned by strong skills in Business Intelligence, Data Modelling, Visualizations, and Data Warehousing.
* Instrumental in company's BI strategy, empowering users with the right technology and tools for reporting and analytics.

**CORE COMPETENCIES**

* Expertise and implement data solutions using Snowflake, ensuring optimal performance and scalability.
* Develop and maintain data models and architecture in Snowflake to support business requirements.
* Identify and implement optimizations to enhance the performance and efficiency of Snowflake data solutions
* Proficient with Azure services, including Azure Data Factory, Azure SQL Data Warehouse, and Azure Storage.
* Expertise in designing Datasets and Dossiers in Power BI, Tableau and Microstrategy
* Proficient in training users, creating BI manuals aligned with industry standards
* Expert in diverse data warehousing and BI tools across multiple platforms
* Ability to lead projects, manage timelines, and coordinate efforts within teams
* Specialized in integrating and migrating data sources into unified BI systems
* Agile certified, adept at Agile project management and methodology application
* Knowledgeable in data security, compliance, and governance protocols and standards

**SKILLS HIGHLIGHTS**

Advanced-Data Warehousing Project Management/Leadership Data Analysis & Reporting

Data Visualization Techniques Data Streaming & Batch Processing MicroStrategy Expertise

Business Intelligence (BI) Development Agile Methodologies Cross-Functional Collaboration

Advanced Analytics & Data Interpretation Data Modeling Database Management

Data Security and Compliance Data Validation and Testing Data-Driven Decision Making

Business Automation Stakeholder Engagement Process Management

Training & Documentation Analytical & Problem-Solving Communication & Interpersonal Azure Data Lake Snowflake DevOps

**Technical Skills:**

* **BI & Data Visualization Tools:** Power BI, Tableau 10.5, MicroStrategy (Various Versions), Google Looker ,Business Objects XIR2, R3/6.5, Cognos 8.4.1, QlikView 12
* **Cloud Technologies:** AWS (including EC2, S3, ELB, RDS, Redshift, VPC, IAM, Lambda), Azure (Databricks, Data Factory, Blob Storage, Cosmos DB).
* **ETL & Data Modeling Tools:** Informatica (Various Versions), Oracle Warehouse Builder 10.2, SSIS 2010, SSRS 2010
* **Databases & Utilities:** Oracle (19c, 18c, 11g, 10g, 9i, 8i), MS SQL Server 2000/2005, NoSQL, Netezza 5.0, DB2 7.0, Teradata 12, Big Data (Hive, Hadoop), Cloud Databases (Snowflake, Redshift), SQL Developer, MySQL, SQL\*Loader, Erwin 4.0/3.5.2, MS-Visio.
* **Programming Languages, Configuration Tools & Operating Systems:** C, C++, Python, Java, Visual Basic, SQL, PL/SQL, XML; ClearCase, VSS, Jenkins, GitHub, ServiceNow; Windows (10, 2000, XP, NT), HP-UX, Unix, IBM AIX, Sun Solaris.

**PROFESSIONAL EXPERIENCE**

**SR. BI-Snowflake Engineer |** Peraton (CMS) – MD **Mar 2021 –Till Date**

**Project:** MEPBS (Healthcare)

**MEPBS project modernization project which involves in modern data architecture environments, including Cloud, Snowflake, AWS, Cloud adoption and migrations by using agile methodology.**

* Developed hands-on experience in building and maintaining productionized data ingestion and processing pipelines.
* Integrated Snowflake with other data processing and reporting technologies for seamless end-to-end data workflows
* Utilized Python for data extraction from diverse sources, enhancing the customizability of reports and dashboards.
* Integrated Databricks with data warehouses and lakes, strengthening the data analytics infrastructure and capabilities.
* Transformed business requirements into BI solutions using MicroStrategy, Power BI, and Tableau for healthcare analytics.
* Defined and prioritized agile product backlog features and user stories, enhancing project efficiency and focus.
* Converted MicroStrategy reports to Power BI and Tableau, ensuring seamless transition across BI platforms.
* Recreated MicroStrategy reports in Snowflake from Oracle & SQL Server, enhancing data management.

**Key Achievements**

* Transformed business requirements into BI solutions, increasing efficiency by 40% with MicroStrategy, Power BI, and Tableau in AWS environments.
* Migrated MicroStrategy reports from Oracle & SQL Server to Snowflake, enhancing data management and accessibility by 35%.
* Enhanced BI project efficiency by 20% through effective management and prioritization of the agile product backlog.

**SR BI-Snowflake Engineer |** Truist Bank – NC **Aug 2019 – Feb 2021**

**Project:** Commercial Lending Project (Financial/Banking)

**Commercial lending project involves Design and development of financial reports in by using BI Tools Power BI, Tableau, MicroStrategy and conversion of reports from MicroStrategy to Power BI.**

* Collaborated closely with data modelers, enhancing data model understanding and schema development.
* Managed data extraction from multiple sources, ensuring data enrichment and validation for warehouse loading.
* Developed logical and physical data models for Snowflake, tailoring to evolving project needs.
* Implemented ETL pipelines within and outside of the data warehouse using Python and Snowflake SQL.
* Led critical discussions with business users, defining requirements for Power BI, MicroStrategy, and Tableau reports.
* Support the professional development of team members and Address challenges and solve problems that arise within the team.
* Directed the design and development of Schema and Application Objects in MicroStrategy for financial data modeling.
* Developed mapping documents for report conversion from MicroStrategy to Power BI and Tableau, ensuring data integrity.
* Created and customized MicroStrategy Dossiers and Dashboards for user groups, enhancing data interaction.
* Developed business-aligned reports and dashboards using Power BI and DAX functions.

**Key Achievements:**

* Led discussions with business stakeholders to define and agree on Power BI, MicroStrategy, and Tableau report designs.
* Upgraded BI report structure and functionality by 30% through innovative Power BI schema and object development.
* Improved Power BI reports with advanced DAX, tailored for specific needs, significantly boosting user engagement.

**SR BI-Cloud Data Analytics Engineer|** Trowe price –MD **Aug 2018 –Jul 2019**

**Project:** RPS (Financial**)**

* Served as BI Architect and Developer, spearheading business intelligence initiatives using MicroStrategy.
* Engaged with various business units to identify data needs and facilitated self-driven data discovery.
* Collaborated with data modelers for effective schema understanding and data modeling strategies.
* Transformed MicroStrategy reports from Oracle and SQL Server databases to Redshift, enhancing data integration.
* Developed Client Kit Dashboard in MicroStrategy, creating complex, user-friendly reporting documents.
* Successfully converted Cognos and Business Objects Reports into MicroStrategy format.
* Crafted User Statistics, Inbox Messages, and Reports Shared Dashboards using Enterprise Manager Metadata.

**Key Achievements:**

* Created MicroStrategy dashboards, significantly reducing manual Excel work and improving data handling efficiency.
* Automated Excel data integration into dashboards, streamlining updates for a 50% gain in accuracy and speed.

**ETL/Report Developer |** ManTech –MD  **Jun 2015 –Jul 2018**

**Project:** BI/ETL (Healthcare)

* Functioned as a MicroStrategy Architect and Developer, focusing on ETL and report development in healthcare.
* Developed and managed BI projects, ensuring efficient execution and meeting key project milestones and objectives.
* Oversaw project upgrades and report migrations from development to production environments.
* Migrated reports across environments, from Development to Validation and Validation to Production, maintaining integrity.
* Collaborated with clients to understand requirements, creating technical specifications for BI solutions.
* Managed data integration from multiple sources, ensuring efficient retrieval and accessibility for analytics.

**Key Achievements:**

* Streamlined MicroStrategy report development and migrations, resulting in a 35% improvement in query performance and data retrieval efficiency.
* Spearheaded dynamic dashboard creation, leading to a 30% enhancement in user experience for data analysis.

**ETL/Report Developer |** Leidos (SSA) – MD **Feb 2013 – May 2015**

**Project:** DCPS MI Reporting System (Federal Gov)

* Initiated project from scratch, involving in business and technical requirement gathering, and prepared prototype reports for approval before developing actual reports.
* Served as an architect, developer, & administrator for MicroStrategy projects, ensuring seamless project execution.
* Designed prototype reports, secured approval, and developed final versions aligning with project goals.
* Collaborated with SSA, gathering requirements, and prepared technical documents for the DCPS MI Reporting System.
* Conducted extensive ETL processes using Informatica, ensuring data accuracy from diverse sources for reporting.
* Developed dynamic and analytical dashboards with enhanced user interaction, focusing on KPIs and data analysis.

**Key Achievements:**

* Orchestrated the end-to-end MicroStrategy project, from concept to deployment, optimizing reporting efficiency by 30%.
* Successfully upgraded project environments from Microstrategy 9.0.2 to 9.4.1, enhancing system functionality & reliability.
* Conducted detailed 508 compliance testing for reports using Jaws, Magic, and Dragon, ensuring accessibility standards.

**BI Consultant|** Freddimac, Herndon –VA **Jul 2012 – Jan 2013**

**Project:** Single Family Transaction Accounting (Financial)

* Served as MicroStrategy Architect/Developer for financial projects, focusing on data modeling and report design.
* Performed detailed data architecture, modeling, and analysis, enhancing financial reporting effectiveness.
* Developed and fine-tuned a variety of MicroStrategy and SQL-based reports, both canned and ad-hoc.
* Optimized database performance; set VLDB properties, created efficient models for enhanced reporting.
* Managed migration and integration of reports from Cognos to MicroStrategy, improving report access and functionality.

**Key Achievements:**

* Optimized report performance by developing aggregate tables and datamart reports, resulting in quicker data processing.
* Improved dashboard customization significantly by migrating reports from Cognos 8 to Microstrategy.

**BI Consultant |** State of New Jersey Office of Information Technology (NJOIT), New Jersey **Jul 2011 – Jun 2012**

**Project:** Dot Crash Reporting System (State Gov)

* Led requirement gathering and technical specification preparation for state government crash reporting system.
* Designed prototype reports and conducted dimensional data modeling using Star and Snow-Flake schemas.
* Collaborated in schema and application object creation for BI solutions, enhancing data analysis efficiency.
* Optimized large report performance using VLDB settings and developed complex data retrieval queries.
* Architected BI projects, establishing robust data architecture and operational configurations for state government.

**Key Achievements:**

* Successfully migrated and enhanced reporting processes by transitioning from Business Objects to MicroStrategy.

**Program Analyst |** Merck & CO., Inc. – Pharma (Cognizant), New Jersey **Jan 2010 –Jun 2011**

**Project: Corner Stone** **(Pharmaceutical/Retail/Supply Chain)**

* Collaborated with clients to define requirements and prepared detailed technical specifications for pharmaceutical projects.
* Led the design and development of prototype reports, ensuring alignment with client needs.
* Managed offshore teams, conveying client requirements effectively to ensure accurate report development.
* Engaged in dimensional data modeling, utilizing Star and Snow-Flake Schemas for data architecture and analysis.
* Conducted comprehensive walkthroughs and meetings to resolve project issues and review report designs.

**Key Achievements:**

* Enhanced data analysis capabilities by implementing advanced Microstrategy metrics & reports, utilizing VLDB properties.
* Developed detailed reports with Freeform SQL Queries in Microstrategy Desktop, improving data querying capabilities.

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**EDUCATION**

* **BE in Computer Science |** JNT University
* **Masters in Computer Science|** West Virginia University

**LICENSES & CERTIFICATIONS**

* Certified Power BI Data Analyst Associate.
* Certified Professional in Microstrategy (MCD, MCE and MCEP).
* Certified AWS Solution Architect.
* Certified Snowpro Core.
* Certified Agile SAFe4 and Scrum Master.