**Bhausaheb K Shedbale**

**Data Architect | Data Analytics | Business Intelligence | Cloud Services | Application**

AWS Associate Architect Certified Alteryx Core Designer Certified Snow Pro Core Certified

Mobile: +1 201 657 6272 email: [bhausahebkshedbale@gmail.com](mailto:bhausahebkshedbale@gmail.com)

Executive Summary

* Highly effective architect with over 16+ years of industry experience specializing in software development, data engineering, data analytics, Enterprise Application development, quality management, and business intelligence.
* Offering an array of skills on various data platforms with deep technical expertise in data space. Recognized as a thought leader with expert ability to successfully implement end-to-end architecture in the cloud from design to implementation.
* Strong expertise as a solution architect, designing and delivering with defining solution architecture, assessing infrastructure sizing, and designing for performance and scalability (across application, database, hardware) in multiple environments.
* Lead to configuring and designing life cycle policies for data analytics and business intelligence platforms.
* Optimizing data structures and pipelines for better performance and efficiency.
* Lead Cloud Migration (MAP) journey successfully for fortune 500 companies.
* Strong knowledge of RDBMS such as SQL Server 2008 R2/2014, Oracle 11g/10g/9i, IBM DB2 and database languages SQL/T-SQL and PL/SQL
* Experience of involving in various projects related to Data modelling, Data Analysis, Database Design, and development for both OLTP and Data warehousing environments
* Effective communication skills to collaborate with cross-functional teams.

## **Core Competencies:**

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| * Data Engineering | * Business Intelligence |
| * Data Visualization * Micro Services | * Data Analysis, Data Modeling * Enterprise Application Development |
| * Data Storytelling * Data Modeling. * Resiliency/Observability management * Snowflake | * ETL Data Pipeline * Agile * Cloud Migration |
| **Tools/Platform:**   * AWS, AWS RDS, S3, Lambda, AWS Glue, Redshift * Storage Gateway * Alteryx * Oracle, DB2, MSSQL, PostgreSQL * Tableau * GitHub, Bitbucket * Spring Boot * Docker/Kubernetes/Helm * OAuth, JWT | * DMS, SCT, DynamoDB, Athena, Quick Sight, Data Sync * Python * NoSQL: - DynamoDB, MongoDB * Java, Core Java, TestNG, Web driver * MS Excel, VBA, Macros, VB Scripting * Java, C#, VC++ * Microservices * OpenShift * Shell |

**Experience**

## **Discover Bank March 2024 to date.**

## **Cloud Data Architect**

* Collaborating with business stakeholders and AI/ML teams to segregate data according to Line of Business (LOB) requirements.
* Responsible for modernizing and optimizing data processing workflows by replacing legacy batch jobs with AWS Lambda functions.
* Responsible for planning, executing, and overseeing the migration of data from on-premises databases to AWS RDS PostgreSQL. > ~8 TB data migrated successfully.
* Focus on optimizing Amazon Redshift query performance by identifying inefficiencies, applying best practices, and implementing solutions to enhance query speed and system performance.
* Currently Managing Discover Bank Money Movement Microservices and respective Data activity
* Responsible for designing, developing, deploying and maintaining microservices to extract data from various sources. This involves creating scalable and efficient data extraction solutions that can handle large volumes of data and integrate with other systems.
* Managing Datadog, Istana and Kibana observability tools to manage application health.
* Successfully setup monitoring solutions using Datadog. This involves designing dashboards, configuring alerts, and analyzing data to ensure that systems and applications are performing
* Designed and implemented multiple Microservices and managed Data for Money Movement applications, Zelle.
* Actively participated and interacted with business and provided design and solutions to fulfill the business requirements.

## **Cloud Reach April 2022 to March 2024.**

## **Cloud Data Architect**

* Helped client to explore AWS migration acceleration program to migrate on Prem data center to AWS RDS Cloud.
* Implemented multiple lambda functions using Python to remove the existing batch jobs.
* Implemented multiple ETL pipelines using Python.
* Worked with the client closely, designed, architected, and presented multiple solutions to the client.
* Designed 20 ETL pipelines to migrate the data centers and delivered successfully with 3-member team.
* >100 Databases and >300 TB of data migrated in multiple environments in less than 6 months.
* Daily backup, Weekly refresh, and disaster recovery solution designed and implemented.
* Implemented Glue pipelines to load data in Redshift. Created lambdas to remove the batch jobs.
* Performance tuning for ETL code, store procedures SQL Query optimization, and process automation.
* Designed a Data warehouse in Redshift to consolidate data from 2 data centers. Built 15 ETL data pipelines using SQL, Glue, and Python resulting in a 35% reduction in data processing time and a 20% improvement in data accuracy.
* Used Reverse Engineering approach to analyze the table structure.
* Developed mapping spreadsheets for (the ETL) team with source-to-target data mapping with physical naming and standards, data types, volumetric, domain definitions, and corporate meta-data definitions.
* Analyzed and resolved business intelligence team performance issues, previously it took 15 mins to load the report, same was reduced to 3 mins.
* Helped the business intelligence team to identify existing infra issues and set up new infrastructure.

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| Organization | Start Date | End Date | Role |
| Discovery | June 2021 | April 2022 | Sr. Data Engineer and Analytics Lead |
| Moodys | Feb 2016 | June 2021 | AVP Application and Data |
| Opus Software | Dec 2007 | Feb 2016 | Sr. Development Lead |
| Zensar | Sept 2006 | Dec 2007 | Sr.Software Consultant |