**Vikas Behl**  
Database Administrator/ Site Reliability Engineer/Developer

Location: Portland (**Willing to Relocate anywhere within the USA**)

**SUMMARY:**

* Experienced **Database Administrator** with over 14 years of expertise in **database administration** **and development, specializing in SQL Server and cloud technologies** along with Site Reliability Engineer. Proven track record in Agile methodologies, DevOps practices, and **managing large-scale** **Azure** and **AWS cloud environments**.
* **5 + years of experience in Microsoft** handling 4500 servers and Azure infrastructure. performance tuning & optimizing SQL queries.
* 12 + years’ experience in various cloud environments Azure & Aws (PAAS & IAAS)

Build and manage **RDS PostgreSQL**, **Azure Databases, Build VMs, Azure Data Factory, MySQL, and MSSQL, Sybase.**

* Excellent Experience in MS SQL Server **installation, building Cluster & Geo Cluster Servers along with** **configuring**, **performance Tuning**, **Query Optimization, Upgrade**, **Backup**/**Recovery, and Managing Security.** Excellent knowledge of SQL Server **Replication**, **Log Shipping, Mirroring (HADR), and SQL Server 2012/2014/2016/2017/2019/2022.**
* Experienced in Power BI Report, SSIS/SSRS/SSAS, **PostgreSQL, RDS Amazon Web Services, Windows Azure, and Databases** & **MYSQL Databases.**
* **Designed, maintained, and documented** a highly transactional **OLTP** system scaling up to 10 million transactions.
* Experienced in handling **End to End** **end-project management Activities** which include **Planning, Design, Scope Management, Estimation, Resource Administration,** and completion of projects within specified **Timeframes** and **Parameters**

**TECHNICAL SKILLS:**

**Databases:** SQL Server (2000-2022), PostgreSQL, RDS on Amazon Web Services, MySQL, Oracle  
**Cloud Technologies:** Azure (Azure Data Factory, Azure Data Lake, Azure SQL), AWS  
**Programming Languages:** T-SQL, PowerShell, VBScript   
**Tools & Utilities:** SSIS, SSRS, SSAS, SCOM, PowerShell, ER Studio, Visio  
**Operating Systems:** Windows Server, UNIX, Linux  
**Other:** Agile Methodologies, DevOps Practices, Site Reliability Engineering

**Professional Experience:**

**Quiktrak Inc.** (March 2020 - Present)  
**Lead Database Administrator & SQL Developer**

* Led a Team of 4 Database Administrators and mentoring junior team members, conducting performance evaluations, and collaborating with cross-functional teams to ensure seamless integration of database solutions with business processes.
* Involved in Planning, researching, Architect the environment for Servers and Databases with different stakeholders and teams.
* Implemented projects for Migration, Performance tuning, DR setup, Backup Policies, and Implementation, of Security and High Availability Solutions to the database and Servers.
* **Architecture and migrated** database to a complex and critical Microsoft SQL Server environmentfrom2016/2017/2019 to SQL SERER 2022 on Azure and implemented disaster recovery solutions by building Active/Active & Active /Passive Clusters and using **Always on** for SQL Server databases.
* Spearheaded the administration of **Microsoft SQL Server** databases, ensuring optimal performance, high availability, and disaster recovery solutions.
* Migrated SQL Server instances to Managed instances on Azure and to Azure SQL Databases.
* Migrated on-premises SQL databases to Azure SQL Database using tools like Azure Database Migration Service.
* Having a complex environment for **Replication** data to fulfill the need of Reporting purposes and for DataMart.
* Migrated ETL packages from on-premises to Azure data factory.
* Working closely with business users to understand the client’s requirements and **develop (SSIS) ETL packages** and SSRS reports per their requirements (for clients like BOFA, US bank, Huntington, and many more).
* Implemented Backup strategies and optimized SQL queries.
* Developed several database structures, **complex SQL queries, writing stored procedures, Views, Triggers, and User-defined functions.**
* Performed automating and standardizing of the production environment using PowerShell, TSQL, SSRS, etc.
* Identifying **Running Queries T-SQL & analyzing and optimizing them and automating the processes.**
* **Upgraded & executed MYSQL migration** from 5.7 to 8 version.
* **Configuring Master/Slave replication** and implementing a backup strategy for production servers.
* **Administrating and Installing MYSQL databases**, on-premises/AWS configuring replication, and optimizing SQL queries, using Workbench.
* Manage and build configuration **of PostgreSQL Server (9.8 & 8.0) on-premises and AWS RDS instances**. Maintaining PostgreSQL Linux servers and monitoring the health and uptime of the databases.
* Migrated on-premises **PostgreSQL environment to AWS RDS instance.**
* Administered PostgreSQL databases using **pg\_Admin** and Psql.
* Upgraded database versions using **pg\_dump/pg\_restore** and **pg\_upgrade** tools and I made sure the latest security patches to the database were updated, the PostgreSQL open-source community provides this.
* Performed Backups (**pg\_basebackup, pg\_backrest, pg\_dum**p) and restored operations, compressed backups, and database/schema refreshes.
* Experienced on restore operations (pg\_restore) and Point in Time Recovery
* Used **pg\_Bouncer** for connection pooling, **pg\_Badge** for generating statistic reports.
* **Tools Used: SSMA,** The Data Migration Assistant (DMA) Azure Services.

**Senior MSSQL Database Administrator/Developer**

**Orion Systems Integrators LLC** (October 2019 - March 2020)  
Project: **Universal Store (Microsoft Corp.)**

* Orchestrated the migration of databases from SQL Server 2008 to SQL Server 2012/2014/2016/20172019, including cloud-based deployments on Windows Azure. Built and managed SQL Server infrastructure on Azure, including clusters and Always On configurations.
* Responsible for building new infrastructure for EOL and **Migration database** of **2008** to **SQL 2012/** **SQL 2014/ SQL 2016/SQL2017** Servers and **Cloud databases (Windows Azure).**
* Developed several database structures, **complex SQL queries, writing stored procedures, Views, Triggers, and User-defined functions.**
* Identifying **Slow Running Queries T-SQL & analyze and optimizing them.**
* Developed and rendered **monthly, weekly, and daily reports** as per the requirement and gave roles, and user access to security in **Report Manager**.
* Configure Transactional Replication for the reporting purposes.
* Development, implementation, and maintenance of **OLAP cubes and ETL packages**.
* Development **of SSRS reports and SSIS package.**

• Development of Key Performance Indicators **(KPIs), Dashboards, Scorecards, drill-down**

**reports** and linked reports for senior executives and marketplace managers required for

business performance and forecasting and used BI reporting.

* Create and maintain **Power BI reports and dashboard**.

• Building and managing geo-cluster, Active-Active, Active Passive Clusters

* Developed SSRS reports and Power BI dashboards for business intelligence and analytics.
* Implemented OLAP cubes and ETL packages for data integration and reporting.

**Enom Inc. (Formerly RightSide)** (December 2015 - October 2019)  
**MSSQL/MYSQL/PostgreSQL Database Administrator/Developer**

* Managed highly complex cross-datacenter SQL clusters, including migrations and high-availability solutions.
* Technical support services consisting of Tier 3 level System Administration across multiple areas of subject matter expertise for Microsoft Corp.
* **Managed 100+ Production/QA+Dev** servers with multiple databases, with couples of them over 10-12 terabytes both in a Cluster environment with Mirroring and Replication and Implemented Always On.
* Responsible for building new infrastructure for EOL and **Migration database** of **2008** to **SQL 2012** & **SQL 2014** Servers and **Cloud databases (Windows Azure).**
* Managed **Query Optimization and Performance Tuning** of Stored Procedures, Functions, etc.
* Developed Power BI reports and SSIS packages for data visualization and ETL processes.
* Implemented SOX/PCI-compliant databases and automated production environment using PowerShell and T-SQL.
* **Implementing Service Pack upgrades** on SQL Servers for QA/Dev and Production Database.

**Green Infosystems LLC -- Redmond, Washington, US August 2013-To December 2015**

**Sr. MSSQL Database Administrator**

**Project Name: Learning-MSCom (Microsoft Corp.) –Microsoft vendor**

* Technical support services consisting of Tier 3 level System Administration across multiple areas of subject matter expertise for Microsoft Corp.
* **Managed 100+ Production/QA+Dev** servers with multiple databases, with couples of them over 10-12 terabytes both in a Cluster environment with Mirroring and Replication and Implemented Always On.
* Responsible for building new infrastructure for EOL and **Migration database** of **2008** to **SQL 2012** & **SQL 2014** Servers and **Cloud databases (Windows Azure).**
* Working knowledge of **Azure** VMs, Azure Virtual Network, Service Bus, Azure Storage, X.509 certificate in Microsoft Azure.
* Developed ETL Solutions for various teams.
* **Recommendation/Configuring of availability strategies** database mirroring, clustering, and setting up a database for replication, log shipping, and Database mirroring and monitoring the setup & Creating SSRS reports.
* Scheduled **Backups** of databases and **recovered** them periodically to verify **the integrity** of Backups**.** Experience working with **Lite Speed.**
* **Developed several database structures**, and complex SQL queries, **writing stored procedures, views, triggers, and user-defined functions.**
* Identifying Slow Running queries by the profiler, T-SQL & analyzing and optimizing them.
* Managed **Query Optimization and Performance Tuning** of Stored Procedures, Functions, etc.
* Performed Code Reviews and developed Coding Standards considering SQL Server Best practices.

**HCL America Inc. -- Redmond, Washington, US Feb 2010 – August 2013**

**Sr. MSSQL Database Administrator**

**Project Name: Bing-AdCenter (Microsoft Corp.) –Microsoft vendor**

* Managed a geographically distributed Application Support Team providing services for Deployment, Incident, and Infrastructure Mgt. for a **portfolio of Microsoft business applications** and services.
* Onsite-offshore coordination designed processes for effective communication with offshore teams.
* Responsible for handling the Production environment of **the BING ADDS, Microsoft Corp** having Databases in 8-10 TBs. and 45000 Severs.
* Maintaining Site and Database performance, uptime of 99.99.
* Migrated SQL Server 2008 Clusters to **Always on Failover Cluster** Instances in SQL Server 2012.
* Developed ETL Packages and provided data to the various teams based on their business model.
* Responsible for **query optimization** using SQL tools such as SSMS, SQL Profiler, and Index tuning wizard. Worked on incident management issues as per IMR/Tickets raised by the UTS monitoring system.
* Working closely with various teams at client locations to gather and understand the database requirement setting up of new **MSSQL Server 2008 and 2012 databases** in both development and production environments and coordinating with the clients for enhancements.
* Attend weekly production support status meetings with Clients and address the gaps, if any.
* Performing the **root cause analysis** of production issues and ensuring monitoring **automation** of the MS-SQL Server.
* **Implemented and Maintained Disaster Recovery** for Production Database Environment Recommendation/Configuring availability strategies **Database Mirroring (Always on)**, **Clustering** and Setting Up database for **Replication, Log Shipping,** and monitoring the setup.

**Education & Certifications:**

* Masters in computer applications (MCA) from IGNOU, 2005
* Microsoft Specialist: Implementing Microsoft Azure Infrastructure Solutions
* Administering Microsoft SQL Server 2012, 2016/2019/2022 Databases
* Bachelor’s in arts from Delhi University, 1997
* Certification in Computing (CIC) from IGNOU
* Post-Graduation Diploma in Computer Application (PGDCA) from IGNOU