



# PRATIMA DEVI

CERTIFIED CLOUD ARCHITECT (AWS AND AZURE) | DATABASE ADMINISTRATOR

## EXPERIENCE

## OBJECTIVE

To apply innovation within the field of Information technology as an advisor to nurture innovation culture and growth

## CERTIFICATIONS/ SKILLS

Azure  
Administration  
AWS Certified  
Solution Architect-  
Associate.  
AWS Certified  
SYSOPSAssociate.  
AWS Certified Big  
Data Specialist.  
AWS Certified Database  
Specialist  
IT Information Library  
Foundations  
Certification (ITIL)  
IBM Certified Database  
Associate - DB2 Universal  
Database V8.1 Family  
MCDBA (Microsoft  
Certified Database  
Administrator) - 70764

STAFF ENGINEER CYBER RISK & COMPLIANCE • GE • Apr 2022-TILL DATE

CLOUD ARCHITECT • TCS • 2010-Mar 2022

Started as a database administrator in Sql Server and later transformed myself into a cloud architect on Azure and AWS platform. Handled migrations to cloud

DATABASE ADMINISTRATOR • MAHINDRA SATYAM • 2009-2010

Worked as sole database administrator with DB2/ IMS responsible for migrations and optimizations

DATABASE ADMINISTRATOR • TETRASOFT • 2006-2008 Worked as a Db2 DBA.

## EDUCATION

MASTER OF TECHNOLOGY • 2005 • JANARDAN RAI NAGAR RAJASTHAN VIDYAPEETH UNIVERSITY

MASTER OF SCIENCE • 2003 • OSMANIA UNIVERSITY

BACHELOR OF SCIENCE • 2001 • OSMANIA UNIVERSITY

## VOLUNTEER UPSKILLING

While the world has been changing and moving towards cloud, I decided to upskill myself even though there was no need of cloud skills in existing project. I learnt cloud skills and achieved certifications to transform myself into a cloud architect.



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## PROFESSIONAL EXPERIENCE:

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Organization: General

Electric(GE)

Staff Engineer Cyber Risk

& Compliance(AWS)

- Managing and maintaining IAM policies for the organization in AWS
- Handling patch management using inhouse tool Viper, automated the process of patch management using system manager.
- Upgrade software and patching the kernel as needed per reports.
- Design infrastructure using terraform and jobs using Jenkins.
- Help other teams like Risk management, IAM Compliance to implement infrastructure.
- Deleted unused user's in cluster as needed by product.
- Worked in creation of RDS database like Postgres and provide needed access to different groups.
- Applied SSL certificate for different products at load balancer level, certificate manager and auto scaling group.
- End to end encryption of one of the product using cicd (cloudformation and jenkins).
- Creating an S3 bucket and managing policies for S3 bucket

Client: Eaton Corporation

Organization is TCS

Azure Administrator

- Implementation of Hosting SQL services in azure IAAS and PAAS servers.
- Create and configure Logical SQL servers, databases, elastic pools in Azure Cloud.
- Deploy builds on multiple databases in Azure cloud.
- Restore/copy databases and restore deleted databases in Azure cloud.
- Import and Export data within Azure Cloud environment.
- Creating and Managing logins/Access levels in Azure IAAS and PAAS environments.
- Migration of databases from on-premise to Azure Cloud environment.
- Setup maintenance plans for databases using Azure Elastic jobs and Azure automation methods.
- Setup Audit and threat detection logs to ensure the security of the databases in Azure cloud and recover any in case required.
- Monitor performance and setup alerts to avoid performance issues occurring on Azure databases.
- Troubleshooting issues occurred with the databases in Azure cloud environment.
- Suggest Cost optimization solutions in Azure PAAS environment.
- Enabling and Managing data masking and encryption in Azure cloud environment
- Enabling Geo replication to ensure availability of the Azure databases as DR plan.
- Enabling Long time retention backup policy for Azure databases.
- Creation of indexes, Partitions of the data in the Azure databases.
- Monitor the health check of the SQL server and review and apply azure recommendations.
- Enable and manage query store for the azure sql databases.

Client: Conagra Foods

Organization is TCS

Cloud Architect

- Good understanding in IaaS and PaaS Services.
- Participation in project meetings with other technical staff and business owners and subject matter experts.
- Designed and developed secure Virtual Private Cloud environments using VPC, IAM, EC2 instances, Security groups, Network Access control, Elastic IPs, public & private subnets etc.
- Implemented different methods of use cases as needed by client related to storage, EFS and EBS.
- Experience in provisioning and spinning up AWS EC2 instances - on-Demand, Spot, dedicated instances
- Experience with one or more relational databases on AWS RDS SQL Server and PostgreSQL
- Experience with Kinesis streams and Firehose
- Design HA and DR strategies
- Implementation and deployment of AWS Serverless Services
- Implementation and deployment of Data Lake in S3
- Hands-on experience in delivering container-based deployments using Docker
- Having knowledge on setting up and managing Docker private repository.
- Having experience in creating custom Docker Images using Dockerfile
- Having knowledge on Docker Networking
- Having knowledge on Docker Clustering using Swarm

- Setup and maintain log-monitoring using Elastic Search, LogStash and Kibana
- Support the engineering teams regarding CI/Build tools, Environments and Automation.
- Deploy images using kubernetes.
- Created images using packers.
- Created infrastructure using terraform

Client: Conagra Foods

Organization is TCS

AWS RDS Administrator

- Implementation of Hosting SQL services in AWS IAAS and PAAS servers.
- Deploy builds on multiple databases in Aws VPC.
- Azure Backup for Native backups
- Enabling Multi-AZ for DR
- Manual database snapshots
- Import and Export data within Aws Cloud environment.

Client: Supervalu Organization  
is TCS

### SQL SERVER DBA Role and Responsibilities

- ✦ Backup and Recovery Procedures planning and implementation.
- ✦ Updated the server security by managing access to the Server and set up maintenance plans to provide alerts
- ✦ and notifications of SQL Server internals.
- ✦ Set up baseline workloads using the SQL profiler and database tuning advisor (DTA) which resulted in providing
- ✦ the missing and superfluous indexing on tables.
- ✦ Used native and third-party tools such SQL Profiler and DBCC scripts to analyze performance issues, Database
- ✦ Tuning Advisor for baseline synthesis, performance monitor for resource evaluation, and gathered information
- ✦ about the SQL environment using Database Management Views (DMV).
- ✦ Create Users and assign permissions based on the level of database access the user would need □  
Create Linked Servers to SQL Servers and other databases such as Oracle, Access, Informix etc.
- ✦ Detach and attach a database.
- ✦ Scheduling and Monitoring jobs using SQL Server Agent as per the business requirement.
- ✦ Refreshing Databases in Development /Testing environments on request basis.
- ✦ Rebuilding and Reorganizing the Indexes based on the Index Fragmentation Strategy.
- ✦ Resolving Blocking and enabling trace to capture the Dead Lock Issues.
- ✦ Design database Backup and Restoration Strategy.
- ✦ From time to time recover the databases to a specific point of time, as per the requests
- ✦ Troubleshoot various problems that arise in a day-to-day work and fix the issues □  
Setup High- Availability as part Disaster Recovery Strategy for the Databases.
- ✦ Monitoring and Performance Tuning; Physical Server Level, Database level (Database settings and options) and query tuning.
- ✦ Apply Service Packs as and when needed.

### Postgres DBA Role and Responsibilities

- ✦ Participate in application development projects and be responsible for the database architecture and design.
- ✦ Participate in the creation of development, staging, and production database instances, and the migration from one environment to another.
- ✦ Responsible for developer SQL code review to ensure queries are optimized and tuned to perform efficiently
- ✦ prior to production release.
- ✦ Responsible for regular backups and recovery of databases.
- ✦ Responsible for regular maintenance on databases (e.g., Vacuum, Reindexing, Archiving).
- ✦ Responsible for pro-active remediation of database operational problems.
- ✦ Responsible for Query tuning and preventative maintenance.
- ✦ Participate in a 24x7 support rotation.
- ✦ Support complex web-based applications.

Client: Tesco stores  
Organization is Mahindra Satyam

### DB2 DBA Role and Responsibilities

- ✦ Logical database design: alias with Applications teams to ensure optimal logical design.
- ✦ Translate logical design into a physical design.
- ✦ Worked extensively in CA tools (RC/QUERY, RC/MIGRATOR and RC/UPDATE) □ Refresh of the tablespace.
- ✦ Timely taken needed Image copy and run stats.
- ✦ Advise on application design standards.
- ✦ Grant all authorities in all environments as appropriate.

- ✦ Establishment of standards for database design, data definition and data manipulation.
- ✦ Database sizing at project inception and throughout its lifecycle.
- ✦ Aided, advice and problem determination on all aspects of DB2 to application team.

- ✦ Maintain the DB2 Mark methodology
- ✦ Recommend and implement bind/rebind strategies.
- ✦ Recommend and implement run stats strategies.
- ✦ Monitor housekeeping performance and recommend improvements where necessary.
- ✦ Database capacity planning and DASD growth monitoring
- ✦ Maintain DBA and technical support documentation
- ✦ Proactive Database monitoring (Health Check)
- ✦ Provide Production Support (24x7) for ABEND fixing for DBA utilities and help application teams in problem resolution.

#### *IMS DBA Role and Responsibilities*

Creation of PSB.

- ✦ Creation of DBD.
- ✦ Worked with CA Toolkit (MAP, Disassemble, compare and search PSBS, DBDS).
- ✦ Creation of online transactions.
- ✦ Refresh of the databases.
- ✦ Image copy of the databases. □ Reorg of the databases.

#### *Endeavor Role and Responsibilities*

- ✦ Creation of copybooks, DCLS in Dictionary tools and Telon.
- ✦ Adding the elements in Endeavor.
- ✦ Creation of packages.
- ✦ Solving compilation problems.

Client: WellPoint

Organization is Tetrasoft India pvt ltd LDUES:

Contribution:

- ✦ Developing model JCL for utilities.
- ✦ Monitor daily Image copies, DB2 batch performances, weekly REORG, RUNSTATS.
- ✦ Refresh of the tablespaces.
- ✦ Manage authentication of several users/groups.
- ✦ Creating different database object as per the specification. □ Developing backup/recovery procedures for application tables □ Database Image copy and Recovery as per the requirements.
- ✦ Supporting application programmers in the designing and testing of applications.
- ✦ Monitoring and tuning the DB2 and IMS subsystem.
- ✦ Generated performance tuning report using apptune.
- ✦ Provide 24x7 production and development support.
- ✦ Ensuring successful completion of all production job streams. □ Implementing and scheduling production jobs.