Manideep Grandhi
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Cloud & Data Architect | AWS Certified | PostgreSQL & MS SQL Expert

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Professional Summary

Cloud-savvy Database Architect with 14+ years of progressive experience across **AWS Cloud**, **Aurora PostgreSQL**, **SQL Server**, and **automation** technologies. Adept at designing and optimizing distributed data systems, leading high-performing teams, and driving large-scale **cloud migrations** (homogeneous and heterogeneous). Strong advocate of automation, observability, and performance tuning. Proven success in enabling **resilient, secure, and cost-effective cloud-native data architectures**.

Core Competencies

- Cloud Architecture (AWS, Azure)
- Aurora PostgreSQL & MS SQL Server (2005–2019)
- AWS Services: RDS, EC2, IAM, CloudWatch, DMS, Systems Manager
- Performance Tuning & Query Optimization
- HA/DR: Always-On, Log Shipping, Mirroring, Clustering
- Infrastructure as Code (Terraform, PowerShell)
- Automation & Monitoring: Grafana, Telegraf, Datadog, Splunk
- Database Migration & Modernization (on-prem ➔ cloud)
- Cross-functional Team Leadership & DevOps Collaboration

Professional Experience

S&P Global — *Lead Database Engineer*
Nov 2022 – Present | Hyderabad, India

- Architected multi-region Aurora PostgreSQL clusters, implementing cross-region snapshot replication and DR-ready global databases.
- Tuned PostgreSQL internals for high-throughput workloads; optimized autovacuum, shared_buffers, and connection pooling.
- Led Oracle ➔ Aurora migration for mission-critical workloads using **AWS DMS** and **SCT**, reducing licensing costs by 40%.
- Built real-time alerting and insights using **CloudWatch**, **Performance Insights**, and custom dashboards in **Grafana**.
- Collaborated with product teams to remediate performance issues, resulting in 50% faster query response times.

Infor India Pvt Ltd — *Team Lead & Senior DBA*
July 2020 – Oct 2022 | Hyderabad, India

- Managed 2,000+ AWS-hosted database servers across PostgreSQL and SQL Server.
- Led a global DBA team; designed monitoring infra using **Telegraf** + **Grafana**, improving observability and reducing MTTR.
- Oversaw 100+ transactional replication servers and Always-On clusters; drove preventive maintenance and failover readiness.
- Led database modernization initiatives, coordinated upgrades, decommissions, and operational automation.

TCS — *Senior Database Administrator*
March 2014 – July 2020 | Hyderabad, India

- Supported 700+ production SQL Servers for Comcast & other clients; managed cloud & on-prem hybrid infra.
- Implemented and monitored Always-On Availability Groups and HA/DR strategies.
- Designed and executed DB patching, performance tuning, and proactive health checks.
- Deployed Ola Hallengren maintenance plans across prod/test environments for consistent upkeep.

Cognizant — *L2 DBA*
March 2013 – March 2014 | Bangalore, India

- Provided 24x7 support for clustered environments (SQL 2005–2008).
- Built DR and backup strategies; optimized stored procedures and indexes.
- Used DMVs and performance dashboards for bottleneck analysis.

HCL Technologies — *Junior DBA*
Sep 2010 – March 2013 | Chennai, India

- Administered SQL Server environments for USAA; performed environment refreshes and release deployments.
- Configured and maintained replication (snapshot, transactional, peer-to-peer).
- Ensured compliance and server hardening across production nodes.

Education

B.Tech in Information Technology
Jawaharlal Nehru Technological University Affiliated College, Kakinada

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Certifications

AWS Certified Solutions Architect – Associate (Amazon Web Services)

Microsoft Certified Professional: Administering SQL Server 2012/2014 (Exam 70-462)

Tools & Technologies

Databases: Aurora PostgreSQL, SQL Server (2005-2019), AWS RDS
Cloud Platforms: AWS (EC2, RDS, DMS, IAM, CloudWatch), Azure
Automation: PowerShell, Terraform
Monitoring: Grafana, Telegraf, Datadog, Splunk, SQL Diagnostic Manager, SentryOne, SolarWinds DPA