PRIYA NAIR

Database Performance Tuner

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SUMMARY

Database Performance Tuner with 8 years of experience optimizing SQL Server and PostgreSQL query execution at Amazon and Snowflake. Reduced average query latency from 14 s to 0.6 s across a 40 TB data warehouse, cut cloud database spend by $420K annually, and delivered 99.98% uptime SLA for production OLTP systems.

EDUCATION

B.S.

University of Texas at Austin · May 2016 · Austin, TX

Computer Science · GPA: 3.7

EXPERIENCE

Senior Database Performance Engineer

Amazon (AWS RDS Team) · January 2021 - Present · Seattle, WA

- Diagnosed and resolved 140+ customer-escalated performance incidents on RDS SQL Server and Aurora PostgreSQL instances, reducing P95 query latency from 14 s to 0.6 s on a 40 TB retail analytics warehouse
- Built automated index advisor using T-SQL DMVs and Python, generating weekly recommendations adopted in 78% of reviewed workloads and eliminating 1,200 redundant indexes
- Tuned Aurora PostgreSQL autovacuum settings for a SaaS customer processing 8M transactions/day, reducing table bloat by 65% and cutting checkpoint stalls by 80%
- Led performance benchmarking for RDS Multi-AZ deployments, producing public AWS documentation used by 50,000+ developers
- Implemented Query Store–based regression detection pipeline, catching 12 query plan regressions within 15 minutes of deployment and reverting automatically

Database Performance Engineer

Snowflake · April 2018 - December 2020 · San Mateo, CA

- Profiled and rewrote 90+ customer Snowflake SQL workloads, achieving average 4× query speed improvement and $420K annualized cloud credit savings
- Designed warehouse sizing playbook adopted across Snowflake's Enterprise support tier, reducing over-provisioning complaints by 45%
- Automated query history analysis with Snowflake INFORMATION_SCHEMA views + Python; generated weekly performance scorecards for 200 enterprise accounts
- Resolved clustering key misconfiguration on a 500M-row fact table, cutting full-table scan costs by 72%

DBA / Performance Analyst

Dell Technologies · July 2016 - March 2018 · Round Rock, TX

- Performed index fragmentation analysis and rebuild scheduling for 60 SQL Server databases; reduced average query cost by 30%
- Created SQL Server Agent jobs for nightly statistics updates and DBCC CHECKDB, achieving zero corruption incidents over 2 years

SKILLS

SQL Server Query Store / Execution Plans • **PostgreSQL / Aurora PostgreSQL**

Snowflake SQL Optimization • **Index Design & DMV Analysis** • **T-SQL / PL/pgSQL**

Python (Database Tooling) • **AWS RDS / Performance Insights** • **Execution Plan Analysis**