



Ajay Kumar Dwivedi

SQL Server / PostgreSQL Database Administrator & Developer
Automation | Performance Tuning | Query Optimization | Monitoring

ajaydwivedi.com | GitHub | LinkedIn
 ajay.dwivedi2007@gmail.com | +91 7032312749



Professional Summary

- ✓ **13+ years of expertise** in SQL Server and PostgreSQL databases.
- ✓ Specialist in **Database Design, Performance Optimization, and Automation.**
- ✓ Skilled in **PowerShell, Python, and Grafana** for monitoring and alerting.
- ✓ Ensures **high availability, data integrity, and optimized database systems.**



Employment History

Senior Site Reliability Engineer | AngelOne (Feb 2022 – Present)

- **280+ SQL Servers Baselined** using self built SQLMonitor.
- Developed **Alert Engine** tool via **Flask, Grafana and Python.**
- Optimized SQL Server performance with **D.E.A.T.H Methodology** (*IO latency: 350ms → <9ms*).
- Automated **Transparent Data Encryption (TDE)** for **150+ servers.**
- Tuned **PostgreSQL queries** for efficient parallel plans and indexing.
- Fixed **MSSQL query problems** like Ascending Key issue, Kitchen Sink design, uneven threading, distributed query plans, MSTVFs, etc.

Database Reliability Engineer | Arcesium (May 2020 – Feb 2022)

- Designed **AlwaysOn Readiness Solutions.**
- Automated **Transactional Replication Setup** with PowerShell.
- Designed **PowerShell module** to move **38 TB AG** databases.
- Fixed **High CPU/Query Regression** issues.

Senior SQL Server DBA | TiVo (Feb 2018 – May 2020)

- Built **Monitoring System** using **Python, Django, and PowerShell.**
- Automated SQL Server installation and health checks.


Senior SQL Server DBA | United Health Group (Oct 2016 – Feb 2018)

- Saved **\$1.0 million/year** via **Storage Space Automation.**
- Managed **VLDBs** effectively under load.

Senior SQL Server Developer | Ericsson (Jun 2015 – Oct 2016)

- **3x Performance Improvement** via advanced query optimization.
- Mentored team on **SQL Best Practices.**

Education & Certifications

-  Bachelor of Engineering – *RGPV University, Bhopal (2006–2010)*
 -  SQLSkills Blackbelt Bundle – *SQLSkills.com (2022 – 2024)*
 -  Fundamentals & Mastering Bundle – *BrentOzar Unlimited (2021–2022)*
-


Key Projects

- ✓ **SQLMonitor** – Baseline and monitor SQL Server.
 - ✓ **SQLMonitor-AlertEngine** – Advanced alerting system.
 - ✓ **SQLDBA-SSMS-Solution** – Daily DBA task scripts.
 - ✓ **HadrSync** – Replica synchronization.
 - ✓ **Space-Capacity-Automation** – Disk space management.
-

Skills

Skill Area	Proficiency
Database Systems	SQL Server, PostgreSQL
Automation Tools	PowerShell, Python, Bash
Monitoring Tools	Grafana, Prometheus
DevOps Tools	Docker, Ansible, Git
OS Expertise	Ubuntu, Windows

Awards & Achievements

-  Multiple Automation Awards for innovative automation scripts.
 -  Technical Blog: ajaydwivedi.com
 -  Live YouTube Tutorials: [YouTube Sessions](#)
 -  Instructor Experience: Taught C/C++ (2008–2010)
-

Languages

-  English
 -  Hindi
-

Final Note

I'm passionate about **designing efficient database systems** and **solving complex performance challenges**. Ready to bring expertise, innovation, and dedication to your organization.

✨ Let's connect and discuss how I can add value to your team!