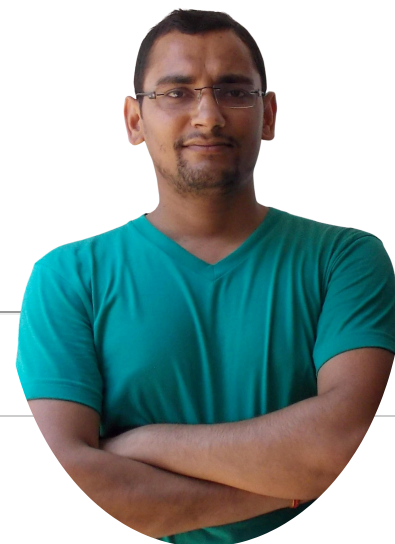




Ajay Kumar Dwivedi

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

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Professional Summary

- ✓ 14 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 280+ 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.
- Automated bi-directional Transactional Replication for DR setup using PowerShell.

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

- Designed AlwaysOn Readiness Solutions using PowerShell & Grafana.
- Designed PowerShell module to move 38 TB AG databases.
- Automated/Upgraded 30 SQL Instances, having Replication on top of AG replicas formed of SqlClusters in 12 hours.
- Fixed High CPU/Query Regression issues.
- Automated Script Out of entire SQLServer Instance

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

- Built DBA Inventory using Python, Django, and PowerShell.
- Automated SQLServer deployment using PowerShell.

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

- 💰 Saved **\$1.0 million/year** via **DB Space Capacity Automation**.
- 🛡️ Managed **VLDBs** effectively under load.

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

- 🚀 **3x Performance Improvement** via advanced query optimization like Recursive CTE and Table Partitioning.
- 🧠 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

- ✓ **CredentialManager** – Safely use with credentials in automations.
- ✓ **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.
- ✓ **SQLDBATools** – PowerShell module to help with DBA activities.

💡 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 |
| Web Frameworks | Flask, Django |

🏆 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)**

📢 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!