🚀 Ajay Kumar Dwivedi

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

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📊 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!**