Ajay Kumar Dwivedi

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

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Professional Summary

✅ **12+ 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 SQLMonitor.
- Developed **custom alerts** via **Grafana** and **Python Slack Bot**.
- ⚙ 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.

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

- Designed **AlwaysOn Readiness Solutions**.
- ⚙ Automated **Transactional Replication Setup** with PowerShell.
- Created **Monitoring Dashboards** in **Grafana**.
- 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.

- **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 – Present)*
- **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
OS Expertise	RHEL 8, 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!**