



# 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)*

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## Key Projects

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- ✓ **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.

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## Skills

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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

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## Awards & Achievements

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

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## Languages

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- English
  - Hindi
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## Final Note

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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!**