



Ajay Kumar Dwivedi

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

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PROFESSIONAL SUMMARY

Proven Database Administrator and Developer with **12+ years of experience** specializing in **SQL Server and PostgreSQL databases**. Expert in **database design, performance optimization, automation, and monitoring** using **PowerShell, Python, and Grafana**. Dedicated to ensuring systems are **highly available, secure, and operating at peak efficiency**.

EMPLOYMENT HISTORY

Senior Site Reliability Engineer

AngelOne | Feb 2022 – Present

- Baselined **280+ SQL Servers** using custom-built SQLMonitor.
- Developed **custom alert systems** using **Grafana Alert Engine** and **Python Slack Bot**.
- Implemented **D.E.A.T.H Index Tuning Methodology**, reducing IO latency from **350+ ms to <9 ms**.
- Automated **Transparent Data Encryption (TDE)** across **150+ servers**.
- Optimized **PostgreSQL queries** using parallel plans, grouping sets, and partial indexes.

Database Reliability Engineer

Arcesium | May 2020 – Feb 2022

- Designed **AlwaysOn RO Readiness** solution and **Transactional Replication automation** using PowerShell.
- Created **SQL Server Health Dashboards** in **Grafana**.
- Resolved **high CPU usage** and **query regressions** through advanced tuning techniques.

Senior SQL Server DBA

TiVo | Feb 2018 – May 2020

- Built a **Database Monitoring System** using **Python, Django, PowerShell, and SQL Server**.
- Automated SQL Server setup, health checks, and monitoring alerts.

Senior SQL Server DBA

United Health Group | Oct 2016 – Feb 2018

- Saved **\$1.0 million/year** through **Storage Space Automation**.

- Managed **VLDBs** and optimized performance under heavy workloads.

Senior SQL Server Developer

Ericsson | *Jun 2015 – Oct 2016*

- Improved database server performance by **3x** through **query optimization**.
- Mentored team members in **SQL best practices**.

SQL Server DBA/Developer

TATA Consultancy Services | *Mar 2011 – Jun 2015*

- Automated SQL Instance Migration tasks using **custom TSQL scripts**.
- Designed **Data Warehouse Solutions** using **DB2 and Pentaho**.

EDUCATION & CERTIFICATIONS

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

KEY PROJECTS

- **SQLMonitor** – SQL Server baseline and performance monitoring tool.
- **SQLMonitor-AlertEngine** – Smart alert system for database issues.
- **SQLDBA-SSMS-Solution** – Scripts for daily DBA support tasks.
- **HadrSync** – Sync Always On replicas seamlessly.
- **Space-Capacity-Automation** – Disk space management automation.

SKILLS

- **Database Management**: SQL Server, PostgreSQL
- **Automation & Scripting**: PowerShell, Python, Bash
- **Monitoring Tools**: Grafana, Prometheus
- **Query Optimization**: Index Tuning, Execution Plans, Parameter Sniffing
- **DevOps & Infrastructure**: Docker, Ansible
- **Operating Systems**: RHEL 8, Ubuntu, Windows

AWARDS & ACHIEVEMENTS

- **Multiple Awards for Automation Initiatives**
- **Technical Blog**: ajaydwivedi.com
- **Instructor for C/C++ (2008–2010)**
- **YouTube Sessions for DBAs**: YouTube Tutorials

LANGUAGES

- English
 - Hindi
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