**Ajay Kumar Dwivedi**

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**PROFILE**

With 14+ years of experience, I optimize database systems like SQLServer & PostgreSQL. I Build Infra automation with scripting tools like PowerShell, Python and Ansible.

**SKILLS**

**Technical:** SQL,Data Warehouse, ETL, Data Visualization, AI Automation, Clustering, HADR

**Scripting**: Linux Shell scripting, PowerShell, Python, Ansible

**Tools:** AWS (RDS, EC2, Aurora), SQLServer, PostgreSQL, Grafana, SQLDiag, Azure Managed Instance, Flask, Git

**CERTIFICATIONS**

* SQLSkills Blackbelt Professional – Feb 2023
* BrentOzar Unlimited Mastering SQLServer – Nov 22
* Microsoft Certified Professional – Oct 2010

**EXPERIENCE**

AngelOne *Bangalore, India*

**Senior Site Reliability Engineer**  Feb 2022 – Present

* Optimized SQL Server performance with D.E.A.T.H Methodology (IO latency: 350ms → <9ms)
* Automated Transparent Data Encryption (TDE) for 280+ servers
* Fixed MSSQL query problems like Ascending Key issue, Kitchen Sink design, uneven threading, distributed query plans, MSTVFs, etc
* Built Monitoring & Alerting using PowerShell & Python for SQLServers

Arcesium  *Hyderabad, India* **Database Reliability Engineer**  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
* Automated Script Out of entire SQLServer Instance

TiVo *Bangalore, India*

**Senior SQL DBA**  Feb 2018 – May 2020

* Built Client Self-service portal using Flask
* Automated SQLServer deployment and configuration using PowerShell
* Designed alerts for Replication Health & Latency

United Health Group Noida*, India*

**Senior SQL DBA**  Oct 2016 – Feb 2018

* Saved $1.0 million/year via DB Space Capacity Automation
* Managed VLDBs effectivity under load

Ericsson Global Gurgaon*, India*

**Senior SQL Developer**  Jun 2015 – Oct 2016

* 3x Performance Improvement via advanced query optimization like Recursive CTE and Table Partitioning
* Mentored team on SQL Best Practices

TATA Consultancy Services Noida*, India*

**SQL DBA Developer**  Mar 2011 – Jun 2015

* Built data migration pipelines using SSIS
* Built data warehouse refresh pipelines using Pentaho & Kettle
* Automated core DBA task using dynamic SQL

**PROJECTS**

[**SQLMonitor**](https://github.com/imajaydwivedi/sqlmonitor) 11/24 - Present

* Open source Enterprise grade SQLServer monitoring tool
* Built using TSQL, PowerShell, Python, and Grafana
* Successfully monitoring 500+ SQLServers across environments

[**Credential Manager**](https://ajaydwivedi.com/powershell/how-to-handle-passwords-in-powershell-automation/) 09/23 – 01/24

* Password Manager for DBA Infra automations
* Built using TSQL to seemly access/save password securely

[**Alert Engine**](https://ajaydwivedi.com/sqlmonitor/setup-sqlserver-alerts-with-open-source-sqlmonitor/) 04/24 – 01/25

* Password Manager for DBA Infra automations
* Built using TSQL to seemly access/save password securely

[**HadrSync**](https://github.com/imajaydwivedi/HadrSync) 05/20 – 08/20

* PowerShell module that synchronizes all objects across Replicas in Availability Groups
* Built using TSQL & PowerShell to ensure zero sync issues during failovers/Drs.

**ACHIEVEMENTS**

* Muliple records for infra automations – [GitHub](https://ajaydwivedi.com/go/rewards)
* Performance Tuning and Trobleshooting blogs appreciated by Brent Ozar
* Built various open source projects for community

**EDUCATION**

RustamJi Institute of Technology *Gwalior, India*

**Bachelor of Engineering** in Electronics & Communication Engineering 2006 – 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.