

# 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

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

09/23 – 01/24

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

### Alert Engine

04/24 – 01/25

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

### 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

- Multiple records for infra automations – [GitHub](#)
- Performance Tuning and Troubleshooting 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.