

Ajay Kumar Dwivedi

📧 ajaydwivedi.com
📍 Nagpur, Maharashtra, India

🔗 github.com/imajaydwivedi
🌐 linkedin.com/in/imajaydwivedi

☎ (+91) 703-231-2749
✉ ajay.dwivedi2007@gmail.com

Professional Summary

With over 14 years of experience, I optimize SQL Server and PostgreSQL databases and build DevOps CI/CD Pipelines to automate Infra with scripting tools like PowerShell, Python, Ansible and GitHub Actions.

Skills

Databases: SQLServer, PostgreSQL, SQLite, RDS, Managed Instance, Aurora

Programming Languages: 🐍 SQL, 🐚 PowerShell, 🐍 Python, 📄 JavaScript, 📄 HTML / 📄 CSS, 📄 Shell Scripting

Tools and Frameworks: Git, Linux, Ansible, Flask, Django, GitHub Actions, VS Code, Grafana, Prometheus, KVM Virtualization, Container, Podman, Docker, Ubuntu, RHEL, PowerShell DSC, Infrastructure as Code (IaC)

Cloud Platforms: AWS, Azure

High Availability & Disaster Recovery: Clustering, Availability Groups, Mirroring, Log Shipping, Replication, Disk Stripping, RAID, Multi Subnet Setup

Languages: English (proficient), Hindi (native)

Certifications

- | | |
|--|----------|
| • Microsoft Certified Professional - Database Querying | Oct 2013 |
| • Microsoft Certified Professional - Database Administration | Dec 2013 |
| • BrentOzarUnlimited Mastering SQLServer | Nov 2022 |
| • SQLSkills Blackbelt Professional | Jun 2023 |

Experience

Senior Site Reliability Engineer	AngelOne	Feb 2022 - Present
---	-----------------	---------------------------

- Optimized 10x SQL Server performance with D.E.A.T.H Methodology.
- Automated Transparent Data Encryption (TDE) for 280+ servers.
- Reduced 20x query time by fixing problems like Ascending Key, Kitchen Sink design, un-even threading, distributed query plans, MSTVFs, etc.
- Built Monitoring & 45+ Alerts using PowerShell & Python for SQLServers.

Database Reliability Engineer	Arcesium	May 2020 - Feb 2022
--------------------------------------	-----------------	----------------------------

- 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 for Disaster Recovery Drills.

Senior SQL DBA	TiVo	Feb 2018 - May 2020
-----------------------	-------------	----------------------------

- Saved 40+ hours by automating SQLServer deployment and configuration using PowerShell.
- Reduced Replication Health & Latency issues by 10x with latency infra.
- Reduced performance incidents by 5x by building Delta Index Defragmentation automation for replicated & HADR databases.

Senior SQL DBA	United Health Group	Oct 2016 - Feb 2018
-----------------------	----------------------------	----------------------------

- Saved \$1.0 million/year via DB Space Capacity Automation.
- Reduced VLDBs maintenance time by 3x with effective backup & defragmentation strategies.

Senior SQL Developer	Ericsson Global	Jun 2015 - Oct 2016
-----------------------------	------------------------	----------------------------

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

SQL DBA Developer	TATA Consultancy Services	Mar 2011 - Jun 2015
--------------------------	----------------------------------	----------------------------

- Built data migration pipelines using SSIS to move billions of records.
- Built data warehouse refresh pipelines using Pentaho & Kettle for Retail stores.
- Saved 20+ hours/week by Automating core DBA tasks using dynamic SQL.

Education

Bachelor of Engineering in Electronics & Communication Engineering	Jul 2006 - Jun 2010
---	----------------------------

Awards and Honors

Gold, International Collegiate Catching Fish Contest (ICCF) 2018
First Prize, China National Scholarship for Outstanding Dragons 2017, 2018

Projects

SQLMonitor: Open source Enterprise grade SQLServer monitoring tool **Jan 2021 - Present**

- Built using TSQL, PowerShell, Python, and Grafana.
- Successfully monitoring 500+ SQLServers across environments.
- Sends alerts to Slack, PagerDuty or Email
- Inbuilt auto action to Clear & Resolve

HadrSync: PowerShell module that synchronizes all objects across Replicas in Availability Groups **Jan 2021 - Present**

- Ensures zero sync issues during failovers/Drs.
- Detects & synchronizes even delta changes like changes in passwords, definition etc.

Availability

Notice Period: 90 Days

Relocation: Open to Relocation

Remote: Open to remote opportunities

FINAL NOTE

I am passionate about designing efficient database systems and solving complex performance challenges. I help organisations build robust, fully automated infrastructure with PowerShell, Python and Ansible.