DHRUV SINGH

Mobile No: +91 8792334807 | 7897627215 | Email ID: dhruvs.singh87@gmail.com

IT ENGINEER – IT INDUSTRY

Profile Summary

- ITIL Certified, Python, Flask, Script development professional with 2.5 years' experience at Cisco Systems.
- Proactively took on additional DevOps role.
- Wrote, tested and successfully deployed APIs using Python, Flask Rest API to develop Tools and automate db tasks. Saved time, enhanced accuracy, security and database efficiency.
- Sole ownership to ensure DBs met compliance standards. Fixed 100+ DBs across BUs. Appreciated by DB Lead.
- As DBA, took ownership of new Oracle DB 12c set up/installations, patching, DB upgrade, cloning, manual and RMAN backups and restores
- Proficient in managing day to day database, server performance and production issues using automation.
- Successfully met DBA and Development leadership's business requirements within stringent timelines; received appreciations.
- As DevOps, owned Automation projects. You Inspire Award titled "You are Awesome" from Automation Lead.
- Adept in coordinating with teams and customers for resolving complex queries and issues.
- Passionate about learning new technologies and tools.

Skills &Competencies

Technologies/ Tools	Python, Flask Rest API, Shell Scripting, HTML, ITIL Process, Agile methodology, JSON, Jenkins, Git, SQL, RDBMS, Apache mod-wsgi, API testing, Software Testing, ORM, AWS
Database	Oracle 12c, MySQL

Cisco Systems - Experience Details

Development and Automation   **IT DB and Replication Team, GIS**   **Since Jan 2017 to Oct 2019**

Developed and supported tools and APIs to automate database tasks. Team was managing more than 1000+ databases. I have Developed, Tested and deployed automation solution for all databases using Python language, used git for version control. I also worked as DBA alongside software development.

Collaborated with Storage, Hosting, Networking and System Admin Teams.

DevOps Accomplishments:
Took ownership of Automation, tools development projects. Trained on python. Self-trained on Flask Rest API, Jenkins, shell scripting, json, jinja2, application server, testing. Part of 20+ member Cisco DB DevOps Team.

Projects:
- Compliance Standard Automation
- Audit and Access Authorization
- Revamped DBA GPS/magic URL using Java
- Backend development contribution in Self-service DB Bounce Tool
- Tool to view DB information
- Tested and migrated tools
- Oracle DB Performance Visualization Tool
- Blackout Tool for oracle golden gate
- Tablespace, schema creation tool
- Tools tested and build using Jenkins and deployed on server
- Worked in AWS Environment

"You Inspire 3 Award" titled **"You are Awesome"** from Automation Lead.

Proactively initiated Compliance Standard Automation. Wrote and implemented script to manage file, directory and other parameters as per standard in DBs. Saved 70% resource time.

Automated 90 % of Audit and Access Authorization. Enhanced security. Developed API using flask rest API and python in the backend. ART Tool connected with all tools, giving access to 3 statuses - Authorized & Unauthorized Admin and Read Only.

Revamped DBA GPS/magic URL, Centralized link giving access to all processes, existing/upcoming tools, documents, policies, vendor and incident details. Used HTML, CSS and Java script. Saved DBA resource time significantly. Appreciated by Automation Lead US and India.

Backend development contribution in Self-service DB Bounce Tool, Based on DB architecture, **wrote APIs** using python and Flask Rest API to bounce the DBs.

Successfully tested Self Service Patching Tool for Oracle DBs, Production in process.

Tool to view DB information. Wrote API using Flask Rest API, python and Jason to connect with Enterprise Monitor EM Tool for DB and instance details. Enabled 95% automation. Successfully deployed and used by DB team.

Tested and migrated tools - Dashboard Admin, dba magic URL and splinstrtool from oms to dbaas, files, using eclipse; created WAR file; Deployed on WebLogic. Took UAT ownership. Appreciated by DevOps Lead,

DB Performance Visualization Tool, Wrote API, using Flask Rest API, python and Jason to fetch performance details from EM Tool for specified DBs and time periods and represent DB performance across 4 metrics graphically, and integrated front-end which has developed using Jinja2. Successfully deployed. UI development in process.

Blackout automation Tool for oracle golden gate, wrote python script to automate blackout details update process during DB maintenance. Tested and deployed. Restricted DBAs from backend logging in to production server; enhanced security. Increased DBA accountability to remove Alert flags post maintenance. Saved 50% DBA time.

DB Accomplishments:

Sole ownership to ensure DBs met required compliance standards; Mar 18 onwards.
- Fixed 100+ DBs. Of these 2 were critical DBs - CG1 PRD and CDC PRD.
- Fixed SCOM and Finance DBs ensured compliance standards were met. SPOC from India team; successfully fixed 60 DBs. Voluntarily shared US team's workload; fixed additional 10 DBs.
- Was given ownership for additional 40 DBs of other BUs. **Received appreciation from DB Lead**.

Successfully met DBA leadership's business requirements within stringent timelines.
- Host Detail Reporting, Aug 18. Self- trained on Linux; collaborated with System Administrator Team. Provided complete details of user, processes, mount points and services.
- Audit Default Setting Reporting, Nov 17. Checked status of Audit trail parameter for 41 DBs. Completed in 6 hours.

DBTS Clean-Up Project, Jun 18. Appreciated by DBA senior leadership. Manually checked decommissioning status of 16 DBs on respective servers. Identified and discovered 11 DBs on Enterprise Monitor Tool; notified Primary DBA for fixes of remaining DBs.

Resolved ~30 oracle, server performance and production issues raised on JIRA Tool and assigned by leadership.
- Hosting Case, Unable to log in from DR to PROD for 9 hosts. Took ownership and resolved, collaborating with Hosting, in 30 minutes. Received Appreciation.

Academics& Value Addition

- B. Tech in Computer science and engineering from Dr. AKTU Lucknow with 67%
- Diploma in Computer science and engineering from BTEUP Lucknow with 76%
- Employability Training from Enable India
- **Trainings:** OCA, ITIL, WebLogic Server, Python, Agile Scrum, Software Testing, Cisco Security and Data Protection, Cisco white belt ninja in Secure development lifecycle and product security, AWS Essential.
- **Certification:** ITIL Foundation

Extra Curriculum

- 5km marathon TCS 2017.
- I have done road audit task for LGBT community pride Bangalore 2016.
- I have done many volunteer activities.

Personal Details

- DOB   :   01-06-1993
- Language   :   English, Hindi
- Nature of Disability :   One Leg is Polio affected and able to move without any support (40%)