

DHRUV SINGH

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IT ENGINEER - IT INDUSTRY

Profile Summary

- ITIL Certified, Python, Flask, Script development professional with 2 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.
- Proficient in managing day to day database, server performance and production issues using automation.
- Successfully met db tools 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	Agile methodology, Python, Flask Rest API, Shell Scripting, HTML, ITIL Process, JSON, Jenkins, Git, SQL, RDBMS, OOPS, API testing, Automation Testing, Selenium, ORM, Familiar with AWS
Database	Oracle 12c, MySQL

Cisco Systems - Experience Details

Software Developer

IT DB and Replication Team, GIS

Since Jan 2017 to Oct 2019

Developed and supported tools and APIs. I have Developed, Tested and deployed automation solution for all databases using Python language, used git for version control. I also worked on some db alongside software development. We were providing service to globally. I worked with US team

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

Developed Restful APIs, microservices, Script, tools. Trained on python. Self-trained on Flask Rest API, Jenkins, shell scripting, json, jinja2, application server, testing. Part of 30+ member Development 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
- Tested these tools, API and scripts
- Worked in AWS Environment

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

Project Details:

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.

Tablespace and Schema Tools, developed this tool to monitor the status of tablespace in multiple databases if it is exceeding threshold add space automatically. It reduced 95% human effort and no query failure due to full tablespace. And using this You can create schema without login in backend.

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%)