HARISH KARTHIC

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OBJECTIVE

**Expert at Advanced PowerShell scripting and worked in automation for Azure based Cloud applications. Experienced in writing Ansible playbooks and integrating it with CI/CD systems. Well versed in Python scripting. Extensive experience in Windows Server & VMware technologies. Certiﬁed in implementing Microsoft Azure Infrastructure Solutions. Additionally, have strong knowledge in monitoring tools such as Solarwinds and HP tools. Have experience in both Agile and ITIL frameworks.**

SKILLS & ABILITIES

* Advanced PowerShell scripting and automation
* Deployment and conﬁguration management with Ansible
* Python Scripting
* Deploy, Manage and Conﬁgure Compute on Azure systems
* Understanding of PowerShell Desired State Conﬁguration
* Worked on AWS DevOps for Accenture’s tool
* Version control with Git
* Jira and Service now
* Monitoring tools like SolarWinds and HP tools
* Windows NT, windows 2000, windows 2003, Windows 2008 & Windows 2012 server administration
* VMware & Server Hardware
* Windows clustering, DHCP, DNS

WORK EXPERIENCE

June 2018 to Nov 2019 **DevOps Engineer, Accenture Technology**

**Implementation of CI/CD using Ansible**

* Had a situation where server-hardening standards, certificates and Antivirus information must be fetched from all available Linux servers in client's environment. Where a shell script was available which does the job but for only one server and was not remote compatible.
* It must be accomplished for multiple servers and the runtime of the script shouldn't consume server resource where the script is being executed.
* Created an Ansible playbook by implementing CI/CD process. This reduced the script execution time and fetching the results of remote machines simultaneously.
* Implemented in client's production environment and this was for infra health check. The fetched results were used in finding the gaps in environment which gave visibility to the client to know failed hardening standards, expired certificates and servers which were missing Antivirus.

**Development in generating custom reports to know server replication status from API**

* Replication details must be fetched from client's estate to know the status of replicated servers.
* This must be automated and scheduled on daily basis for health check.
* Developed a Python script which authenticates with the replication portal (Cloud Endure) using API token and fetched the replicated machine details. Scheduled a task and made the output in more readable format.
* Helped to know the replication details and manage the health status of regular basis.

**Development to generate custom backup reports from API**

* Backup configuration details must be generated from WebUI of Rubrik tool to know the list of servers in backup schedule and failed backups.
* This has to be automated to know the servers which were failing backups.
* Developed a PowerShell script which was a wrapper to Curl commands which helped in API authentication and fetching the necessary details.
* Served in identifying the backup failed production critical servers to rectify soon.

**Development to check Build Standards**

* Server hardening standards and server naming standards to be checked for all the servers in client's environment.
* Must be automated and should run once a day to ensure that all the necessary standards are being followed for servers in environment.
* Developed a PowerShell script which fetched GPOs, registry and all mandatory software installation status. To know the server naming standards developed a regex in PowerShell and implemented.
* Helped in ensuring the standards and finding gaps for failed servers.

**PowerShell scripts developed in multiple scenarios**

* Developed custom scripts for run to production audits, fetch all possible server information such as hotfix or patches details and run automatic chkdsk utility for failed fatal disks.
* Software installation, automatic files deletion, registry monitoring, authenticate AppDynamics using PowerShell script with available API token.
* Deletion of old snapshots in VMware environment, fetch LUN IDs, server configuration details.

**Automatic old files deletion by detecting given retention period (For US based client)**

* Old large files must be deleted automatically which were being accumulated in SAP server
* Automate and schedule a task to run on daily basis
* Developed a PowerShell script to delete the file automatically for given server, path, retention period, sub-folders by automatically detecting if the files must be recursively deleted or not.
* Reduced manual efforts and avoided production impact due to large accumulation of files when SAP job runs.

**Download files from given Blob and upload specified files to the Blob in Azure**

* Developed a PowerShell script to automatically download and upload the production SQL files from and to the Blob storage in Azure portal.
* Since the developed was a custom script (a workflow) which can be run from any of the servers or from Azure runbook.

**Automate H2R (Hire to Retire) in AD and Exchange using PowerShell for Australian based client**

* Automate end to end process that an employee goes thru when hired in client's office.
* Automate employee hire process, transfer, leave of absence, retire, termination in AD and exchange
* Developed a PowerShell module which hosts the necessary scripts written in advanced functions which imports and runs on need basis.
* Helped a team of three members who were assigned to do this job to avoid additional time being spend. Since the requests were flowing in as a bulk it was a tedious task and this automation helped to avoid human mistakes made unintentionally.

January 2016 to April 2018

**Automation Engineer, Windows Server and VMWare Admin, DXC Technology (Fr. Hewlett Packard Enterprise)**

**Fortune 500 UK & US based companies (2)**

* Building PowerShell scripts as per the requirement from the clients, have created nearly 30 scripts till date in the current environment. Few significant automations done in the current environment are as below (all for multiple servers, to be executed remotely):
* Automated Windows server build to run audit
* Automated server health checks
* Registry monitoring using PowerShell
* Network folder permissions audit
* Server inventory
* System state back-up & other roles check
* Check disk (chkdsk) & error capture automation
* Supporting approximately 900 servers which comprises of 2003, 2008 and 2012 servers running on HP hardware.
* Part of automation team.
* Managing servers in VSphere client which includes P2V also.
* Monitoring Windows physical and virtual servers.
* Transition of servers from build to run.
* Troubleshoot operating systems issues.
* Taking part in RCA, War room calls for troubleshooting.
* Troubleshooting backup failures based on the error codes.
* Perform security functions including access controls to shared drives, file level accesses, application accesses etc.
* Monitor and troubleshoot server hardware and coordinate hardware replacement with server vendors
* Handle all kinds of alerts for servers (Example: C drive space issues, services down alerts, Server down alerts, Cluster resources and cluster down alerts, High CPU utilization etc).
* Troubleshooting Print servers.
* Troubleshooting printer issues.

June 2011 to December 2015

**Windows Server and VMWare Admin, Wipro Technologies**

**FORTURE 500 US BASED CLIENT**

* Automating manual and tedious tasks using PowerShell scripting.
* Supporting 6000+ Servers that comprises of Windows NT, Windows 2000, Windows 2003, Windows 2008 and Windows 2012 running mainly on HP hardware.
* Building Windows physical and virtual servers.
* Build to Run transition audit
* Troubleshoot and resolve server Hardware and Operating system issues.
* Managing Virtual servers in VSphere Client.
* Taking part in Service Restoration Ticket calls and troubleshooting issues in servers which are in run state.
* Trouble shooting Netbackup backup failures based on error codes.
* Perform security functions including access controls to shared drives, file level accesses, application accesses etc.
* Monitor and troubleshoot server hardware and coordinate hardware replacement with server vendors
* Handle all kinds of alerts for servers (Example: C drive space issues, services down alerts, Server down alerts, Cluster resources and cluster down alerts, High CPU utilization etc).
* Install and Manage cluster (up to 4 node clusters).
* Install and upgrade software on servers (Example: Netbackup, Altiris, Symantec antivirus, Avamar and Tivoli)
* Troubleshooting Print servers.
* Configuring, moving and deleting home folder of users.
* Firmware upgrade / manage.
* Participate in change management, Troubleshooting server problems and RCA.

EDUCATION

January 2012 to November 2015 - **MTech, Computer Applications: 2015, Birla Institute of Technology, Pilani (Work Integrated Learning Program)**

June 2008 to April 2011 - **BSc, Electronics: 2011, PSG College of Arts and Science**

KEY ACHIEVEMENTS

**Awarded as Most Valuable player by client for the second quarter 2013-2014**

TRAININGS & CERTIFICATION

* **Trained in Windows server 2008, RPA tool (Robotic Process Automation) WinAutomation, Azure and Ansible**
* **Certified in Implementing Azure in Infrastructure Solutions 70-533**

PERSONAL PROFILE

**Date of Birth: 4 Nov 1990**

**Marital Status: Married**

**Sex: Male**