Lakshmanachari Panuganti
Infrastructure Automation Engineer
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Career Objective:
To be a part of an organization, where I can utilize my skills & knowledge and learn new technical things for organization growth and my career growth.

Professional Summary

- ✓ An enthusiastic PowerShell developer experienced in Infrastructure automation.
- ✓ Having strong experience in PowerShell, I contributed end-to-end automation for various products as an individual and as a team member.
- ✓ Good experience in automating Active Directory, Azure, SCDPM, Veeam, VMware, and integrating with ServiceNow.
- ✓ Working in an environment that has embraced with DevOps approach.
  - ➢ Azure boards, Sprints, User stories.
  - ➢ Git, Repositories, Branches, merge, push, pull, commit etc.
- ✓ Hands on experience with Azure automation account, Azure runbooks, webhooks etc.
- ✓ Developed PowerShell modules for the various products based on the API documentation provided by vendor.
- ✓ Developed and maintained fully automated account provision and de-provisioning solution using Windows PowerShell, simplifying the employee off-boarding process, and minimizing the risk associated with orphaned user accounts.
- ✓ Created PowerShell scripts to constantly perform the health checks of System Center Data Protection Manager and notifying the team in the event of a problem.
- ✓ Designed and automated a workflow to provide the automatic resolution for various alerts in System Center Data Protection Manager.
- ✓ Significantly reduced the number of calls during the weekends and non-business hours by providing self-service backup and restore for the SQL databases and virtual machines to the customers.
- ✓ Developed automation to provide an accurate service access report and audit report to each application team.
- ✓ Implemented scalable automation using Windows PowerShell for creating the OU structure for Applications and delegating the access to the App owners on their AD objects.
- ✓ Developed scripts with Windows PowerShell to automate the following things -
  - ➢ VM builds in VMware vSphere and Azure.
  - ➢ Account's provision, Server provision, App OU provision, Support team provision.
  - ➢ Report backup data in SCDPM, Veeam, Azure backups.
  - ➢ Report replication health data in Double Take (Carbonite) and Azure Site Recovery.
  - ➢ Migration to DPM 2012 to DPM 2016.

- ✓ Good experience in using Thycotic secret server and Thycotic secret server's API.
- ✓ Coordinate with Application teams to gather the requirements to develop the automation for them.
- ✓ Reviewing /commenting/Approving the pull requests of the teammates.
- ✓ Good knowledge in using Postman for API.

Competency

- ✓ Active Directory Domain Service, DHCP, WDS, WSUS.
- ✓ Azure Automation – Automation account, runbooks, webhooks.
- ✓ PAM - Thycotic Secret Server.
- ✓ Database – hands on experience in Microsoft SQL server intermediate level.
- ✓ Automation tools - advanced in PowerShell and basic in shell scripting.
- ✓ Azure DevOps - Azure boards, sprints, repositories, branching, merging, pull requests etc.
- ✓ Ticketing tools - ServiceNow and WebTrac.
- ✓ Basic knowledge on Python language.

- ✓ Experience in using Thycotic secret server in automation.
  - ➢ Creating / deleting secrets via PowerShell.
  - ➢ Modifying the existed secrets via PowerShell.
  - ➢ Retrieving the secret values via PowerShell for using in various automations.

- ✓ Good experience in using the ServiceNow API.
  - ➢ Creating incidents and requests via PowerShell.
  - ➢ Updating comments to the incidents and requests.
  - ➢ Handling multiple SCTASKs for a request.
  - ➢ Reading the ServiceNow catalog item variable for using in various automations.

- ✓ Good experience in using MIM.
  - ➢ Creating users, groups.
  - ➢ locationID, bulk upload template.

Education

- ✓ MSc (Computer Science) from BBCIT affiliated to Osmania University, Hyderabad.
- ✓ BSc (Computer Science) from GDC affiliated to Osmania University, Siddipet.

Achievement:

- ✓ Saved around 250 hours of manual effort per month for all the projects.
- ✓ PowerShell SME in LPD program (**L**earn **P**ractice and **D**eliver).
- ✓ Received few applause awards and many spot awards.

Work Experience

Company	Designation	Duration
Deloitte US India	Sr Analyst	July 2017 – Present
Cheric Information Network Technologies Pvt. Ltd	IT Administrator	August 2012 - July 2017

Deloitte US India
Sr. Analyst – Global Hosting Services
Projects handled:

System Center Data Protection Manager | PowerShell | Saves around 120 hours per month

- ✓ On-demand Self-service backup.
    - ○ Customers can request this service to force a DPM backup job outside of the regularly schedules.
- ✓ Self-service restore in DPM via ServiceNow form.
- ✓ Auto-protect production/ stage HyperV VMs.
- ✓ Auto-protect production/ stage SQL servers.
- ✓ Auto-fix DPM alerts.
- ✓ DPM reporting.

Veeam | Automation with PowerShell

- ✓ Veeam PowerShell module.
- ✓ Veeam backup reporting.
- ✓ Veeam repository reporting.

Active Directory | Automation with PowerShell

- ✓ Application provision in the active directory via the ServiceNow form.
- ✓ Server provision in active directory.
- ✓ Support team provision.
- ✓ AD Reporting: a report that gets all the AD objects and its permissions from all the domains from all the OUs that we manage.

Azure | Automation with PowerShell

- ✓ A report that contains the protected VMs. Last backup along with application team CMDB data.
- ✓ A report that contains the protected ASR protection status along with application team CMDB data.
- ✓ Automating azure VMs built via ServiceNow form
- ✓ Compliance VMs (Active VMs vs Retired VMs in CMDB)

VROps automation | VMware | Automation with PowerShell

- ✓ Automated custom group creation in vROps as per vCenter Tags.
- ✓ Automated dashboard creation in vROps as per vCenter Tags.
- ✓ Automated groups creation obtaining from Active Directory.
- ✓ Share the dashboard with the associated team.

Cheric Information Network Technologies Pvt. Ltd.
IT Administrator
Roles and Skills:

- ✓ Was working on AD DS, DHCP, WDS, WSUS and SEPM servers.
- ✓ Good knowledge on PowerShell in automating windows tasks.
- ✓ Configuring backups and troubleshooting the ongoing issues in SCDPM – (SQL server backup, VM Backup, Folder backup)
- ✓ Troubleshooting LAN, IP related issues and user login issues.
- ✓ Software deployment in Windows client machines as per the project requirement.
- ✓ Installation of device drivers & hardware components.
- ✓ Group Policy Management and assets management and audit.
- ✓ Creating network folders and configure Access Control List.
- ✓ Responsible for updating MS patches and Antivirus updates across all servers and clients.
- ✓ Responsible for applying the patches and upgrades to 'BlueCherry' servers on destination environment through RDP, LogMeIn and different types of VPN.
- ✓ WDS for image deployment for new workstations.
- ✓ Knowledge on creating captured image through sysprep tool & pushing into new workstations.
- ✓ Creating virtual machines in Hyper V server and install applications as per project needs.
- ✓ Coordinate and manage relationship with HP vendors in server's problem resolutions.
- ✓ Creating page files to increase the virtual memory size.
- ✓ Enough knowledge on installation and configuration of Windows server 2008R2 and 2012R2
- ✓ Good understanding on FSMO roles.
- ✓ Knowledge on backup methods such as incremental, deferential, and full backup.
- ✓ Knowledge on configuring iLO to troubleshoot the HP servers remotely.
- ✓ Knowledge on different RAID levels (RAID0, RAID1, RAID5 and RAID10)
- ✓ Understanding on blue screen errors and crash dump scenarios.
- ✓ Basic knowledge on SQL server querying (Backup & restore, attaching databases, moving tables from one database to another etc.)
- ✓ Hands on set up SQL Maintenance Plan using Ola Hallengren SQL script.
- ✓ Auditing AD users and computers using PowerShell scripts & VBScripts and generating the reports.
- ✓ Creating scheduled tasks and troubleshooting Windows Task scheduler.
- ✓ Creating real-time services through command prompt and PowerShell.
- ✓ Understanding on Remote Desktop Host Server configuration and installing User CALs, Device CALs on RD License server.

I hereby declare that the above information is true to the best of my knowledge.

Lakshmanachari Panuganti

Hyderabad