**Diwakar Gahlot**

Mobile: +91-9716409323 ~ E-Mail: Diwakar.gahlot@gmail.com

**DevOps Engineer (AWS+Docker + Kubernetes)**

Cloud Native DevOps Engineer with Automation and Multi-Cloud experience

**PROFESSIONAL BRIEF**

* An astute professional with **12 years** of experience in IT Operations specialist in Multiple technologies – **AWS, Azure, Windows, Devops, Docker & Kubernetes, VMware 6.5 and Linux.**
* Experience includes **AWS, Automation, Virtualization and break fix solutions**

**SIGNIFICANT HIGHLIGHTS**

* Cloud Native engineer working as Automation and Cloud SME.
* Part of containers team, working on ECS and AKS clusters.
* Working on live projects as a Cloud SME ​(Biogen,Manchester United and Kantar)

**CERTIFICATION / TRAININGS / ACADEMIA**

* Online DevOps Training taken from Intelliqit Institute, Hyderabad.
* AWS Solution associate certified and Azure Infrastructure Solutions Certified (70-533)
* MCSA 2012, MCSA 2008 & 2012, MCITP (Windows/AD) & 2003
* Certified in ITIL (Foundation) V3
* Diploma in Electrical Engineering from Government Polytechnic College Kota in 2003 with 60.40%.
* 10+2 from Ajmer Board (Rajasthan) with Science stream 1999 with 49.85%
* 10th from Ajmer Board (Rajasthan) 1996 with 75.00%

**CORE COMPETENCIES**

**EMPLOYMENT SCAN**

**HCL Technologies Ltd. Noida Mar’17–till now**

**Associate Consultant**

**Project: Biogen-CloudOperations**

Skilled DevOps Engineer with 2+ years of hands-on experience supporting, automating, and optimizing mission critical deployments in AWS, leveraging configuration management, CI/CD, and DevOps processes.

* Creating and configuring Jenkins server and automating release in Docker Swarm cluster, using GitHub as SVN.
* Using AWS DevOps, to create build and releases for Biogen client. Creating zero downtime deployment methodologies and scripts to achieve no human intervention in deployment.
* Deployment, management and administration of web services in a public cloud environment
* Using Jenkins CICD to deploy and automate resource creation in AWS environment.
* Using CICD to automate deployment of pods in AWS Kubernetes service.
* Using and implementation of terraform, PowerShell, Cloud formation, and Ansible.
* Ensure system high-availability, saving ~$175K in downtime losses compared to previous year and achieving 90% positive client satisfaction ratings
* Increased team productivity and automated repetitive tasks by using batch files, PowerShell, VBScript and WMI.
* Maintaining AWS Cloud Operations under performing several tasks provisioning EC2 instances, VPC, Security groups, IAM roles using automation.
* Performing monthly patching on Windows/Linux instances using AWS SSM service.
* Creating Windows/Linux AMI using Ansible tool.
* Oracle Linux Patching using Ansible tower Server.
* Running Athena query for fetching pre-post patching report.
* Automated patching process using Ansible tool, gaining hands-on experience on Docker, Git (version control), Jenkins (CI/CD) & Python.
* Closely working on Microsoft Containerization service implementing Docker.
* Create and maintain fully automated CI/CD pipelines for code deployment using Octopus Deploy and PowerShell.
* Good knowledge of monitoring and logging tools such as AWS Cloud Watch, Elastic Search/ELK Stack,
* Actively manage, improve, and monitor cloud infrastructure on AWS, EC2, S3, and RDS, including backups, patches, and scaling
* Reduced costs by ~$3,000 each month by eliminating unnecessary servers and consolidating databases
* Built and deployed Docker containers to break up monolithic app into microservices, improving developer workflow, increasing scalability, and optimizing speed
* Managed GitHub repositories and permissions, including branching and tagging.
* Architectural knowledge for high available solutions and experience of working with solution architects.  Plan and build infrastructures in AWS, Azure and GCP cloud.
* Maintaining AWS production environment, cost optimization and automating tasks.
* Monitoring and security alerts implementation and techniques in cloud environments.
* Using CLI and console for Creating and configuring IAAS and PAAS resources like Data factory, RDS, compute resources, ECS, AKS, functions and web apps.
* Using ECS Docker swarm cluster and deploying containers through AWS ECR repository in production for Manchester United.
* Creating Docker swarm clusters and Kubernetes clusters, and creating various POCs around it.
* Vast experience and in depth knowledge of containers, building infra, implementing monitoring solutions like Prometheus etc.

**Computer Sciences Corp. India Pvt ltd. Noida Oct’15– Feb2017**

**System Administrator**

***Key Deliverables***

* Providing L3 end to end infrastructure support on VMWare and Active Directory to EMEA client under Project Alstom.
* Managing and maintaining 7000+ physical and virtual servers running on Microsoft windows 2003/2008 platform.
* Managing and fixing replication issues between geographically dispersed sites.
* Implementation & administration of Group Policies for Asiapac client.
* Promotion & Decommissioning of more than 50 DCs for multiple site(India-Grid).
* Administration of 350+ Domain Controllers.
* Worked under Operating System refreshment Project from 2003 to 2012 R2 for multiple sites.
* Data Migration of more than 100 TB through Robocopy command line tool.
* Monitoring of Active Directory performance and Disaster recovery of AD Database.
* With VMware vSphere 4.x/5.x environment, managing and maintaining ESX/ESXi servers, Virtual Center’s, HA & DRS enabled clusters and virtualized windows machines.
* Troubleshooting on Backup failure due to VSS writers issues.
* Managed Virtualization Environment using VM Ware ESX 3.5 & 4.x, Virtual Center, VI Client, P2V
* PowerShell scripting for AD related automation with daily administration.
* Part of Daily/Weekly calls/SRT call and CAB meetings & Preparing monthly Creation of Service level review reports.
* Troubleshooting on Disk re-signature, Cluster Validation, Quorum repair, Anatomy of a Cluster Log.
* Windows Clustering Backup and recovering through checkpoint file & cluster disk corruption.

**FIS Global Solution India Pvt. Ltd. Gurgaon Jul’13 – Oct’15**

**Sr. System Administrator**

Reporting to Operation Manager

***Key Deliverables***

* Managing and maintaining 3000+ physical and virtual servers running on Microsoft windows 2003/2008 platform.
* Providing the L3/L4 support on [miscellaneous](https://www.google.co.in/search?hl=en-IN&q=miscellaneous&gbv=2&sa=X&as_q=&nfpr=&spell=1&ei=jnEQVJCTA6OHjAK_l4GoAQ&ved=0CBAQvwU) environment Windows 2003 & 2008, VMware 5.1, Power shell3.0.
* Configuring, Managing & Troubleshooting MS Clustering environment on Window 2003, 2008 and 2012.
* Implementing server maintenance activities - Applying latest hot fix, updating HP hardware firmware, drivers, VMware tools, proactive net agents, Symantec Endpoint protection etc.
* Managing VMware infrastructure: vMotion, Storage vMotion, DRS, HA and SRM etc.
* Analysing and troubleshoot PSOD and BSOD on VMware environment.
* Creating High Availability (HA) and Datastore Clustering in VMWare 5.1 environment.
* Migrate Physical Servers to Virtual Server using VMware Converter (P2V Converter)
* Migrating of using VMotion Performing Snapshots, Cloning, Cold Migrations and Hot Migrations, VMDK Alignment.
* Recovering Virtual Machines from Recovery Point LUNs at DR site.
* Working knowledge of networking protocols and components including TCP/IP, DNS.
* Experience designing and implementing High Availability and Disaster Recovery solutions.
* Scripting experience (Batch, WMI, VBScript, Powershell).
* Managing & administering active directory, Managing Group Policies & Software Deployment.
* Administration of 250+ Domain Controllers.
* Deployment of Site Recovery Manager 5.1
* Upgradation from VSphere 4.1 to 5.1 Environment.
* Troubleshooting and Performance Optimization of Virtual Machines.
* Migration of Network DvSwitch 4.1 to 5.1.

**Computer Sciences Corp. India Pvt ltd. Noida Oct’11– Jul’13**

**System Administrator**

***Key Deliverables***

* Providing L3 end to end infrastructure support on VMWare and Active Directory to Australia based client BHP Billiton.
* With VMware vSphere 4.x/5.x environment, managing and maintaining ESX/ESXi servers, Virtual Center’s, HA & DRS enabled clusters and virtualized windows machines.
* Troubleshooting on Backup failure due to VSS writers issues.
* Managed Virtualization Environment using VM Ware ESX 3.5 & 4.x, Virtual Center, VI Client, P2V
* PowerShell scripting for AD related automation with daily administration.
* Managing & administering active directory, Managing Group Policies & Software Deployment.
* Administration of 150+ Domain Controllers.
* Part of Daily/Weekly calls/SRT call and CAB meetings & Preparing monthly Creation of Service level review reports.
* Troubleshooting on Disk re-signature, Cluster Validation, Quorum repair, Anatomy of a Cluster Log.
* Windows Clustering Backup and recovering through checkpoint file & cluster disk corruption.

**HCL Technologies Ltd. Noida Oct’11–Jul’13**

**Specialist Systems**

**Project: Johnson & Johnson**

***Key Deliverables***

* Providing the L2 level support for Windows 2000 & 2003 server configure and maintain/patch Windows clustering.
* VMWARE Troubleshooting, OS build and rebuild. Memory, CPU, VLAN’s, HDD addition, storage migration and VM migration.
* Supporting 3500+ servers 24x7 rotational basis around the world in approx. all country with mixed OS environment (2K, 2K3 & 2K8, Windows Storage all flavour x86 & x64).
* Maintaining servers from scratch to re-build and day to day activity from alerting to severity calls related to performance & other errors.
* Managing & administering active directory, Managing Group Policies & Software Deployment.
* Administration of 450+ Domain Controllers.
* Troubleshooting alerts & incidents related to DHCP, DNS server etc.
* DHCP, DNS and IP Server administration.
* Website pointing of Johnson & Johnson (internal and external).
* Creating Dynamic DHCP scopes, static entries, generating active leases, Dynamic/Manual entries, Pushing changes to DHCP servers through QIP Management tool.

**PRECEDING ASSIGNMENTS**

**RT Outsourcing services India Pvt.Ltd.(Alcatel-Lucent) Feb’07 – Oct’08**

**Designation – Team Lead**

**Role -** System Administrator

Reported to Project Manager

Responsibilities: -

Leading a team with two members & responsible for the maintenance & troubleshooting of windows server 2k3/2k based network environment with 150+ users.

* Installation, Configuration & Maintenance of Servers based on Microsoft windows platform (NT, 2000 & 2003 servers),
* Installation, Configuration & Maintenance of Active Directory, DNS, DHCP, File & Print servers
* IIS 6.0 based Web Server Administration
* Installation & maintenance of McAfee Antivirus,
* Backup & Restoration using BrightStor ARCserve Backup utility.
* Server Health and Network Utilization Monitoring.
* Preparing & Maintaining Daily Checklists.
* Wireless Access Points, Wireless LAN cards, Data Cards, VPN access & Black Berry Configuration
* Installation, Configuration & troubleshooting of Microsoft Outlook & Microsoft Office Communicator
* Administration of Avaya's Definity EPABX (G3Si) System, Intuity Audix Messaging system & Telesoft (Billing Software)
* Using HP Open View Service Desk (OVSD) service call management software
* Team Review and escalation Handling
* Managing SLA of calls logged by end user as per the Severity and Priority level
* Vendors Management.

**PERSONAL DOSSIER**

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Passport M3585437