

# Abhay Patil – DevOps & Cloud Engineer

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12+ years of experienced IT Infrastructure and Cloud Engineer, currently serving as a DevOps Engineer. Expertise in managing large-scale environments, specializing in the design, planning, and execution of seamless migration strategies to Microsoft Azure. Proven ability to optimize performance and ensure minimal downtime during migrations, with a strong focus on automation, system reliability, and cloud infrastructure management.

## KEY SKILLS

Cloud Computing | Infrastructure as Code | CI/CD | Automation | Containerization | Kubernetes | DevOps Practices | Monitoring & Logging | Cloud Migration | Programming & Scripting | Application Deployment | Application Security | Cost Optimization | Backup & Recovery | Identity & Access Management | System Administration

## TOOLS & TECHNOLOGIES

**Cloud Platform:** Microsoft Azure, Amazon Web Services (AWS) | **Infrastructure Tools:** Terraform, CloudFormation, ARM Templates | **CI/CD Tools:** Azure DevOps, Jenkins | **Scripting Languages:** Python, YAML, Bash | **Database:** Azure SQL | **Container & Kubernetes:** Docker, Kubernetes, Helm | **Version Control Systems:** Git, GitHub | **Monitoring & Observability:** Azure Monitor, New Relic | **Virtualization:** VMware vCenter, ESXi, HP OneView, SRM | **Ticketing Systems:** ServiceNow, Jira

## CERTIFICATIONS

- Microsoft Certified- Azure Administrator Associate.
- Microsoft Certified- Azure Fundamentals.
- AWS Certified Solution Architect – Associate.
- VMware Certified Professional - Data Center Virtualization 2024.

## PROFESSIONAL EXPERIENCE

Senior Consultant | Capgemini Pune, IN | 2021 – Present

- Deployed and maintained Azure Kubernetes Service (AKS) clusters to support scalable and 99% high-availability application environments.
- Built modular Terraform templates for Azure (VMs, VNets, AKS), reducing provisioning time by 40% and standardizing deployments across teams.
- Managed a wide range of Azure PaaS services such as App Services, Azure SQL DB, File Storage, Logic Apps, and integrated Key Vault and Azure Monitor for enhanced security and observability.
- Designed and implemented CI/CD pipelines using Jenkins, reducing infrastructure provisioning time by 50% and deploying containerized workloads across Azure and AWS platforms.
- Led 200+ azure resource migration and setup of Azure VMs, storage accounts, NSGs, VNets, Azure Data Factory, private endpoints, and Recovery Services Vault, ensuring minimal downtime and adherence to best practices.
- Facilitated tenant-to-tenant Azure subscription transfers and directory changes during organizational migrations.
- Executed migration of 1000+ workloads to Azure VMware Solution, VMware Cloud on AWS, and native Azure using VMware HCX and Azure Migrate, achieving a >95% success rate with minimal downtime.
- Experience with AWS EC2, S3, RDS, IAM, and CloudFormation, with focus on provisioning, troubleshooting network setups, managing custom AMIs, and implementing S3 versioning and lifecycle policies.
- Collaborated with teams using Git for version control, with work aligned to 15 days sprint plans and regularly updated through Jira stories.

Principal Infrastructure Engineer | Mphasis Pune, IN | 2019 – 2021

- Control cloud infrastructure on Azure and AWS, ensuring efficient resource allocation and cost optimization.
- Utilized AWS EC2, S3, and VPC for provisioning and managing virtual machines and storage, as well as network services on Azure for scalable application deployment

- Head over 1000 VMs and physical servers, performing OS installations based on specific requirements.
- Administered vCenter 6 infrastructure, including troubleshooting issues related to virtual machines and ESXi hosts.
- Upgraded vCenter, ESXi hypervisors, and firmware OA, Virtual Connect, HPE C7000 G9 blades, while also installing, configuring, and upgrading firmware, and managing VLAN creation, logical interconnection port groups, and network sets on HP OneView.
- Conducted Windows servers 2012/2016 patching using HPSA to preserved security and system stability.

#### **Sr. Technical Associate | Tata Communications**

**Pune, IN | 2019 – 2019**

- Managed VM lifecycle activities through the vRA portal, including requesting, destroying, and reconfiguring VMs, as well as troubleshooting failed workflows.
- Created new templates and published them as blueprints in vRA for streamlined deployment.
- Handled vCenter and ESXi 6.5 hypervisor upgrades, as well as firmware updates and IAM tasks like user creation, deletion, and permission updates.
- vROPs dashboards, capacity management, and scheduled various reports to monitor vCenter and the overall environment.

#### **Sr. System Administrator | Wipro**

**Pune, IN | 2016 – 2019**

- Installed, configured, & preserved VMware virtual infrastructure, including vCenter Server, vRealize Operations Manager (vROPs), VMware Site Recovery Manager (SRM), VMware ESXi, and VMware Update Manager.
- Perform VMware migrations, optimizing VMware for SAN storage utilization, and successfully migrated large numbers of virtual servers to new SAN arrays without impacting users.
- In charge of HP OneView 4.0 for the configuration, firmware upgrades, VLAN creation, logical interconnection port groups, and network sets.
- Utilized monitoring tools like vCenter Operations Manager and VMware Log Insight for advanced troubleshooting and root cause analysis, ensuring rapid incident resolution.
- Control over 5000 virtual machines and physical servers, including overseeing data center migration projects, P2V and V2V migrations using VMware Converter, and upgrading vCenter Server.
- Setup VMware clusters, enabled HA and DRS features, and followed change management processes for documentation, with experience in disaster recovery using SRM and storage replication.

#### **System Administrator | Value Point Systems**

**Pune, IN | 2015 – 2016**

- Provided system support for over 2500 employees, including troubleshooting user account lockouts with AD Lockout Tool & Microsoft Operations Manager, & managing server backups & recovery using Symantec Backup.
- Superintend vCenter Server configuration and set up VM guest operating systems through vCenter, as well as deploying different operating systems on blade and stand-alone servers using ILO.
- Setup and organized domain controllers, additional domain controllers, DNS, and DHCP servers, and rule Active Directory environments, including users, groups, organizational units (OU), and group policies.
- Configuration of ESXi hosts, vCenter Server, vSphere Client, and vSphere Web Client, and implemented advanced VMware features such as DRS, HA, vMotion, Storage vMotion, NIC teaming, and Update Manager.

#### **System Engineer | Winning Edge Technology**

**Pune, IN | 2012 – 2015**

- Infrastructure support for 100+ users, including installation and configuration of Windows Server (2003–2012) with roles like AD, DNS, and DHCP.
- Administered VMware vSphere 5.x environments, performing VM provisioning, resource allocation, and template deployments via vCenter Server.
- Handled user account management, Outlook configuration, Group Policies, and troubleshooting of network printers and client issues.
- Ensured network stability through daily backups and maintenance of LAN connectivity, while offering both server & desktop support.

- Led a team of 5+ IT support staff, managing user onboarding, system installations, and data recovery.
- Installation of Windows/Linux OS, network devices, & remote support using TeamViewer & RDP tools.
- Ensured system stability and endpoint security by maintaining printers, scanners, and antivirus configurations.

ACHIEVMENT

- Improved deployment efficiency by implementing CI/CD pipelines using Jenkins and Azure DevOps.
- Reduced Azure infrastructure deployment time by 40% by developing reusable Terraform modules to automate provisioning of native Azure services including AKS, VMs, VNets, and App Services.
- Migrated 1000+ workloads to Azure and AWS using Azure Migrate and VMware HCX, achieving <2% downtime.
- Optimized cloud costs by identifying idle resources in Azure, leading to a 15–20% reduction in monthly spend.
- Supervised 5000+ servers across multiple data center, supporting large-scale VMware environments and driving successful P2V and V2V migrations.

EDUCATION

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| • Master of Computer Applications (MCA) | Sikkim Manipal University   2011 - 2013 |
| • B.Sc. in Computer Science             | Nutan Maratha College   2006 - 2009     |