

**Summary:**

* Qualified Professional with 9+ Years of experience in IT Infrastructure Cloud, Storage and DR Architecture and management.
* AWS DevOps Consultant with Working Experience in Data Centre, Client Location and OEMs
* DC Build/Migrations/Disaster Recovery & Business Continuity Planning.
* Experience in providing trainings , Proof of Concept (POC ) and User Acceptance Test (UAT) .
* Working experience with. AWS S3 storage, CloudFront,s Storage Gateway, Glacier, Simple Email Service, Snowball, AWS Elemental Media Services, Kinesis Video Streams, Elastic Transcoder, AWS Transfer for SFTP, Datasync and AWS Backup.
* Real time Experience in building Amazon Virtual Private Cloud (VPC) using Amazon Web Services.
* Extensively worked on Distributed Environment, Infra Migration/ Upgrade NAS/ SAN (NetApp, ZFS, IBM, and EMC).
* Understanding of SAN and or NAS HW technologies storage protocols like iSCSI, NFS, SMB
* Design implement & maintain all AWS infra and services within a managed service environment.
* Knowledge of Network communication protocols (TCP/IP, HTTP, SSL/TLS, RPC, SSH, etc.)
* High Availability and Clustering Solutions administration
* Infrastructure Development on AWS by employing services such as EC2, RDS, Cloud Front, Cloud Watch, VPC, etc.

**Technical Skills:**

**Cloud:** AWS, Microsoft Azure, GCP

**OS (Operating System):** Windows, Linux (Red Hat, Ubuntu, Amazon, CentOS), Unix, and Mac

**Automation and Build tools:**  Jenkins, Maven, Ant, Ansible, Nagios, Terraform

**Scripting Language:** Shell, Python

**Virtualization:** VMWare (ESXI), Virtual Box

**Version Control System:** Git, SVN

**Storage/Network protocols** iSCSI, NFS, CIFS, HTTPS, FTP, SSH, SSL, RDP, Telnet, DNS, DHCP, RDS

**Containerization Tool:** Docker, Kubernetes.

**Work History:**

**Cognizant Duration: Dec’16 to Present**

**Role: AWS| Devops Consultant**

* Setting up Auto Scaling on AWS and creating launch configuration group for Auto Scaling.
* Expertise in Microsoft Azure Cloud Services (PaaS & IaaS), Application Insights, Document DB Internet of Things (IoT), Azure Monitoring, Key Vault, Visual Studio Online (VSO) and SQL Azure.
* Designed and Managed Cloud Service projects and deployed to Web Apps, PaaS, and IaaS.
* Manage different AZURE environment for provisioning of Linux servers and services executed by the providers.
* Creating Security group for the EC2 Instances
* Work Experience as a member of AWS Build Team.
* Setup and managed EBS Volumes and Snapshots to EC2 Instances.
* Designed AMI images of EC2 Instances by employing AWS CLI and GUI.
* Created and Managed User Accounts, Log Management, Shared Folders, Reporting, Group Policy Restrictions, etc.
* Configured and Managed different Lambda Functions
* Responsible for Troubleshoot various network problems, system problems.
* Infrastructure Development on AWS by employing services such as EC2, RDS, Cloud Front, Cloud Watch, VPC, etc.
* Worked with Management frameworks and Cloud Administration tools.
* Warehousing hosting including Virtual Private Cloud (VPC), Public and PrivateSubnets, Security Groups, Route Tables, Elastic Load Balancer.
* Design roles and groups for users and resources using AWS Identity Access Management (IAM).
* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, and Auto scaling groups, optimized volumes and EC2 instances.
* Utilize Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, Dynamo DB tables, and EBS volumes.
* Managed servers on the Amazon Web Services (AWS) platform instances using Ansible Configuration management.
* Proven experience in end-to-end problem determination/troubleshooting system issues.
* Thorough understanding of networks and storage systems.
* Designing and implementation of Public and private facing websites on AWS Cloud. Supported after-hours to meet deadlines as well as for operational support as required.
* Proven experience in end-to-end problem determination/troubleshooting system issues
* Configured and Managed EC2, RDS, Cloud watch, S3 Buckets, VPC, Security Groups, Elastic Load Balancer, Auto-scaling etc.
* Responsible for Security, including opening different ports on security groups and Network

ACL’s.

* Configure different Notifications on AWS Services and Advice development teams on architecting and designing web interfaces and infrastructures that safely and efficiently power the cloud environment.
* Designed and Managed Cloud Service projects and deployed to Web Apps, PaaS, and IaaS.
* Manage different AZURE environment for provisioning of Linux servers and services executed by the providers.
* Worked on **Azure web application, App services, Azure storage, Azure SQL Database, Virtual machines, Fabric controller, Azure AD**, Azure search, and notification hub. Implemented and managed Terraform configuration spanning several Dev, QA, Staging environments in AWS cloud.
* Implemented a Continuous Delivery pipeline with Dockers, Jenkins and Github. Whenever a new github
* branch gets started; Jenkins automatically builds a new Dockers container from it.
* Problem determination, Security, Shell Scripting.

**ORACLE INDIA Duration: Oct’15 to Dec’16**

**Role: Devops Engineer**

* Created Docker images using a **Docker file**, worked on **Docker container snapshots**, removing images and **managing Docker volumes**. Expertise in setting up Docker Host, Docker Registry, RHEL/ Centos Atomic Host, Docker images (Centos, RHEL and Ubuntu instances).
* Provisioned and administered **EC2** instances and configuring **EBS, Simple Storage(S3)**cross region replication, **Elastic Load Balancer, configure Auto scaling, setting up CloudWatch alarms, Virtual Private Cloud (VPC)**, mapping with multi **AZ VPC** instances and **RDS**, based on architecture.
* Worked on Amazon EC2 setting up instances, **virtual private cloud**(VPCs), and security groups and created AWS Route53 to route traffic between different regions and used BOTO3 and Fabric for launching and deploying instances in AWS.
* Configured **Amazon S3, Elastic Load Balancing, IAM**and **Security Groups**in Public and Private Subnets in VPC, created storage cached and storage volume gateways to store data and other services in the AWS.
* Architected and configured a virtual data center in the AWS cloud to support Enterprise Data Warehouse hosting including Virtual Private Cloud (VPC), Public and Private Subnets, Security Groups and Route Tables.
* Used Security Groups, Network ACLs, Internet Gateways, NAT instances and Route tables to ensure a secure zone for organizations in AWS public cloud.
* Worked on migration services like AWS **Server Migration Service**(SMS) to migrate on-premises workloads to AWS in easier and faster way using Rehost "lift and shift" methodology and AWS **Database Migration Service**(DMS), AWS Snowball to transfer large amounts of data and Amazon S3 Transfer Acceleration.
* Worked on creating and documenting **POC** for helping migrate the current application to micro service architecture. The architecture included **Docker** as the **container technology** with **Kubernetes** and worked on with **REST API**.
* **Virtualized the servers using the Docker** for the test environments and dev-environment needs and configured Docker container for branching purposes.
* Provided consistent environment using **Kubernetes** for deployment **scaling and load balancing** the **application** from **dev** through **QA**, easing the code development and **deployment pipeline** by implementing **Docker containerization.**
* Used **Git, GitHub** as source code repositories, managed for **branching, merging, and tagging**.
* Configured various **plugins, upgrading** them for **Jenkins** for automation of the workflow and to optimize and smooth running of build jobs.
* Configuring and managing an **ELK stack**, setup the **Elastic search** **ELK Stack** to collect, search and analyze **log files** across the servers and created **optimized indexes** and derived analytics on **Elasticsearch** data

**HCL Technologies & Team Computers July 11 to Oct ’15**

**Role: Technical Specialist Storage & Backup**

* Proficient knowledge in configuration of Server, storage layouts, data replication including design,
* Configuration and implementation, and disaster recovery methodologies
* Installation, Configuration, Maintenance of Sever & Storage supporting Infrastructure for Global
* Customers.
* Understanding of SAN and or NAS HW technologies
* Knowledge of Network communication protocols (TCP/IP, HTTP, SSL/TLS, RPC, SSH, etc.)
* Planning, Preparation and Implementing Data Ontap Upgrades.
* Storage LUN provisioning, CIFS File System, NFS File system Management
* Vendor Management, Managing iSCSI/FCP, TCP/IP Networks protocols.
* Managing VIF, VLAN, RAID, WAFL and NVRAM.
* Physical Storage Management: Assigning disk ownership aggregate, Flexible Volume, Q-tree, RAID-DP,
* Disk Scrubbing Snapshot, Snapmirror, Snaprestore, Snapvault,OSSV ,Vol Copy, NDMP Copy, Deduplication,
* Management of Disk shelves, DR using Metro-cluster Non-disruptive hardware changes, Controller.
* Failover and single point of failure.
* Proficient knowledge in configuration of Server, storage layouts, data replication including design,
* Configuration and implementation, and disaster recovery methodologies
* Installation, Configuration, Maintenance of Sever & Storage supporting Infrastructure for Global
* Customers.
* Understanding of SAN and or NAS HW technologies
* Knowledge of Network communication protocols (TCP/IP, HTTP, SSL/TLS, RPC, SSH, etc.)
* Planning, Preparation and Implementing Data Ontap Upgrades.
* Storage LUN provisioning, CIFS File System, NFS File system Management
* Vendor Management, Managing iSCSI/FCP, TCP/IP Networks protocols.
* Managing VIF, VLAN, RAID, WAFL and NVRAM.
* Physical Storage Management: Assigning disk ownership aggregate, Flexible Volume, Q-tree, RAID-DP,
* Disk Scrubbing Snapshot, Snapmirror, Snaprestore, Snapvault,OSSV ,Vol Copy, NDMP Copy, Deduplication,
* Active/Active administration.
* Management of Disk shelves, DR using Metro-cluster Non-disruptive hardware changes, Controller.
* Failover and single point of failure.

**Professional Experience:**

***Cognizant Solutions***  *Dec-2016-Present*

***ORACLE India Oct-2015- Dec-2016***

***Team Computers Oct-2014 –Oct-2015***

***HCL Technologies Jul-2011- Oct-2014***

**Certification:**

* **AWS** Certified SysOps Administrator
* NetApp Certified Data Management Administrator (***NCDA in 7 and Cluster-Mode)***
* IBM Enterprise Storage Technical Support V3
* Symantec **NetBackup** Technical Specialist (***STC***)

**Personal Demographics:**

**Name:** Akshay Purohit

**Father’s Name:** Mr. Kailash Purohit

**Date of birth:** 29th May 1989

**Marital Status:** Married

**Area of Interest:** Dance, Choreography

**Passport:** Yes

**Languages Known:** English, Hindi.

**Date: Place: India**