**Ashish Bansod**

**Cloud/Devops Professional**

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**Summary**



* Over 12 years of IT experience with specialization in Amazon Web Services, Virtualization, Server Administration.
* Done Hashicorp Terraform Associate certification.
* Used infrastructure as a code via Terraform, automate, and provisioned around 100 AWS instances for Linux and Windows OS.
* Using Aws Code Deploy provisioning the application code on the servers.
* Used Kuberenetes as an orchestration service for automating deployment, scaling, and management of containerized applications
* Configured a voting application on Kubernetes cluster using Google Cloud Platform.
* Work on Agile Methodology using Jira to provide fast delivery.
* Build various PowerShell scripts for Active directory health check and leverage VMware infrastructure.
* Setup/Managing Databases on Amazon (RDS, DynamoDb, Aurora, Redshift, Elastic cache).
* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, Security Groups and IAM).
* Setup/Managing VPC, Subnets, Routing table in making the connection between different VPC and Zone.
* Setup monitoring for on prem servers and Aws instance using CloudWatch and created customizing CloudWatch dashboard.
* Creating/Managing DNS records on Amazon Route 53 and AD DNS panel.
* Configure Aws Elastic Load balancing (Application Load balancer, Network load balancer).
* Integrated Autoscaling with Elastic Load Balancer to optimize the load on the ELB and provide high Availability.
* Use the SMS service (server migration service) to migrate the on-prem server to AWS.
* Experience with automation and configuration management tools, Terraform and Ansible.
* Configure health check dashboard using Grafana tool for V-centre, ESX and virtual machine.
* In-depth knowledge of VMware solutions such as Esx/Esxi, vCenter, Update Manager, View and SRM.
* Experience with Continuous Integration/Delivery tools such as Jenkins.
* Experience with Agile development methodologies and implementing them to Azure.
* Strong analytical and problem-solving skills, with the ability to work independently or in a team.

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| **Cloud technology** | Amazon Web Services experience in EC2, Elastic Load Balancing, VPC, VPC peering, RDS, Dynamodb, Aurora, Cloudfront,CloudWatch, ElasticCache, SMS, Lambda, Cloud formation template.  Microsoft Azure experience in Site-to-Site, Express Route, Azure vNETs,  Azure Disaster Recovery, Azure Traffic Manager, Fault Domain, Update Domain, ARM |
| **Versioning Tools** | GIT, Bitbucket |
| **Iaas, Pass, CI/CD,Container Tools** | Terraform, Kubernetes, Docker, Jenkins. |
| **Servers** | Linux RHEL 6,7 andWindows Server 2008/2012/2016, AD, DNS, |
| **Operating System** | Esx/Esxi, Windows Server 2008/2012/2016, Linux, Ubuntu, Centos. |
| **Backup tools** | Symantec Backup Exec |
| Scripting Language | Python, YAML. |

**Employment Experience**



**Sr. Lead Engineer**

**Guardian Life Jan 2020 to till date**

**Roles and Responsibilities**

* Did AWS Automation via Terraform to provisioned AWS EC2 instance and various services.
* Deploying the Aws infrastructure using Jenkins in Dev, Sit, Uat, prod and Dr using terraform as Infrastructure as code.
* Using Jenkins as CI tool to trigger the AWS Code Deploy to deploy the application code on the servers.
* Creating customise Aws Ami as per the business requirements.
* Using terraform deploy various Aws components like Ec2, Security groups, ALB, Autoscaling groups, RDS.
* Created AWS Lambda function using boto3 to stop the non-prod instances during the evening.
* Using Boto3 as Python SDK to create Python scripts to fetch the data from AWS.
* Using Terraform integrated with the Jenkins deploying the Aws Infrastructure.
* Wrote Terraform modules for new Aws services.
* Build container environment using Elastic container service on Aws using Jenkins for various environment.
* Using terraform code for code deploy to configure the application after the post build of the infrastructure.
* Working on Puppet as a configuration tool which is also integrated along with the terraform code and do the various agent installation.
* Working on various Aws services Compute, Networking, Storage, Containers, Developers tools.
* Working in an agile framework conduct Sprints and do various ceremonies to discuss the Jira stories and planning the pointing the stories.
* Upgrade the Postgresql version for Bitbucket hosted on the Aws RDS.
* Creating Solution design for various environment for various application.

**Professional 2-System Administrator**

**DXC Technology Jan 2019 to Jan 2020**

***Cloud Engineer Project:*** Xchanging/Exova

Noida UP

**Roles & Responsibilities:**

* Did AWS Automation via Terraform to provisioned AWS Ec2 instance and various services.
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Used Kubernetes to orchestrate the deployment, scaling, and management of Docker Containers.
* Created Grafana dashboard to monitor the VMware metric for Vcenter, Esx and Virtual machine.
* Monitor, troubleshoot and capacity planning of vSphere environment.
* Use Terraform as infrastructure as a code to Automate around 20-30 servers on AWS cloud.
* Configure Aws Elastic Load balancing (Application Load balancer, Network load balancer).
* Integrated Autoscaling with Elastic Load Balancer to Optimize the load on the ELB and provide High Availability.
* Monitoring servers through Amazon CloudWatch and created Customize CloudWatch dashboard.
* Working on Active Directory Replication, dfs, dfsr, active directory trust technology.
* Working on MS cluster which is setup on Window 2008, 2012.
* Involve in Production server patching using SCCM and Bigfix tool.
* Provisioned around 30-40 containers using Docker for test and dev environments .
* Build Docker Swarm Cluster for dev environment as per user request.
* Worked on Ansible using Yml package for installing, configuring push to make change in time.
* Create and maintain detailed documentation for all infrastructure technology. Provided training, knowledge transfer and best practices training to HelpDesk team

**Expedia group**

**System Administrator Feb-2016-Oct 2018**

**Roles & Responsibilities:**

* Provisioned more than 50 plus server using infrastructure as a code using Terraform.
* Using Ansible as configuration tool manage to automate day to day task.
* Deploying, managing, operating scalable and high available and fault tolerance systems using Autoscaling for EC2.
* Configure CloudFront and integrated with AWS S3 to increase the performance of web content and decrease the latency.
* Configured performance metrics as well as custom metrics on AWS using CloudWatch.
* Configure around multiple VPC’s and created VPC peering to bridge the network connectivity.
* Having knowledge about RDS, DynamoDB, Redshift.
* Configure Health checks Dashboard using Grafana tool.
* Configure Alerting system using Kacapacitor as database engine to put on EMF.
* Responsible for installing Jenkins, master slave nodes and to configure Jenkins builds for continuous integration and delivery.
* Connected continuous integration systems with the GIT version control repository and continually build as the check ins came from developers.
* Automation of infrastructure using Terraform.
* Implemented VMware infrastructure environment with 150 ESXi Servers, 5000 plus virtual machines.
* Installation, troubleshooting, up-gradation of 20plus ESX/ESXi 5.x Servers (to 6.x).
* Cloning and migrating Virtual Machines (VMs) using Physical to Virtual (P2V), Virtual to Virtual (V2V), Cold Migration and Hot Migration.
* Monitoring Server Health Status of the CPU processors, Memory, Temperature & Voltage and creating daily report on resource usage and resource availability.
* Provide training to new hires on how to use the virtualization environment.

**Tata Consultancy Services**

**IT Analyst Feb-2014-Feb 2016**

**Roles & Responsibilities:**

* Installation, troubleshooting, up-gradation of 20plus ESX/ESXi 5.x Servers (to 6.x).
* Configuring and maintaining vCenter Servers.
* Cloning and migrating Virtual Machines (VMs) using Physical to Virtual (P2V), Virtual to Virtual (V2V), Cold Migration and Hot Migration.
* Responsible for capacity planning, design, installation and configuration of newly provisioned Vmware, Redhat and Centos server.
* Creating VMs (multiple by PowerShell), VM Templates and changing configuration of VMs on need basis.
* Analysing and troubleshooting features like High Availability (HA)/Fault Tolerance (FT)/Distribute Resource Scheduler (DRS).
* Worked on datacentre technology Cisco Unified system.
* Done the UCS infra upgrade (Fiber interconnect, I/O module and the UCSM).
* Creation of service profile, service profile template, NIC pool etc.
* Association of service profile to a Blade server.
* Work on Xenapp 7.1 ,7.5 ,7.6 and net scalar 10.1 version.
* Installation and managed XenApp 7.1,7.6.
* Have knowledge of Netscalar.
* Configured Group Policy Objects to create a secure Windows Infrastructure.
* Provides windows server systems architecture, administration, installation, optimization, problem isolation and resolution.
* Executed effective processes for operation, troubleshooting and support service for Microsoft Active Directory and back office products.

**Symantec**

**Backup Administrator Apr 2012-Dec 2013**

**Roles & Responsibilities:**

* Experienced on backup exec products 11.d 12.5, 2010 R1, R2, R3, 2012.
* Designing backup strategy & ensuring scheduled / unscheduled backups as per the backup plan.
* Knowledge of De -duplication and OST devices like data domain, pure disk issue.
* Configure and managed Installation of Backup exec Product.
* Creation of Storage device on the Local disk and the Network share.
* Configuration of storage device on NAS, Buffalo Storage, RD100 Device and removable Hard disk.
* Troubleshooting issue while taking the backup and restore of the File server and domain controller.
* Deal issue while taking the backup and restore of the SQL server.

**Convergys**

**Technical support Officer Apr 2011-Dec 2012**

**Roles & Responsibilities:**

* Worked on Active Directory Domains and Trusts and setup all type of domain trust.
* Active Directory Backup and Restore issues, including system state backup/restore, undelete, and AD Recycle Bin.
* Troubleshooting and resolving issue related to DFS and DFSR.
* Expertise in resolving replication issue and Group policy issue.
* Creation of Group Policy in Windows 2008 and 2012 environment as per policy and user need.
* Hands on experience in resolving Active directory performance problems (lsass high cpu, memory utilization, slow query response, etc).
* Knowledge of Creation of fine grain policy in Windows 2012.
* Used MS tool like Repadmin, Dcdiag, Perfmon, Rsat, regmon to resolve the active directory and window server issue.

**HCL Technologies**

**Sr Analyst May 2010-Jun 2011**

**Roles & Responsibilities:**

* Resolving issues related to the Active directory.
* Support the Company’s mission, vision, values and goals in performance of daily activities.
* Responded to telephone, email and helpdesk second line support requests.
* Install, configure, administer, and troubleshoot Windows servers and desktop clients.
* Windows maintenance, dual booting, upgrade & update the windows.
* Troubleshoot issue Related to DNS and VPN.
* Worked on RSA Secure ID.

**Suzlon Energy Ltd**

**Sr Analyst July 2007-Feb 2010**

**Roles & Responsibilities:**

* MS outlook/Lotus Notes configuration backup & restore and troubleshooting.
* Disk Management, partitions.
* Printer/Scanner installation, configuration and troubleshooting.
* Antivirus update & virus protection.
* Troubleshooting of hardware and O/S.
* Basic Networking, TCP/IP Configuration, Internet Maintenance, Map drive, Data sharing.
* Data Cards configure and troubleshooting.
* Sharing folder, sharing devices & printer.

**Certifications**



* HashiCorp Terraform Associate Certified.

**Educational Qualifications**



* Bachelor of Engineering [BE] 2006

IET DAVV University Indore MP



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