**xxxxxxxxxxx**

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**xxxxxxxxxxxx@gmail.com**

**Professional Summary:**

Over 16years of IT experience including 5+ years of experience in AWS cloud Space as Senior Cloud Engineer and 2 years of migration and architecting Infra in AWS Cloud Space with expertise in defining strategy for Continuous Integration and Continuous Deployment.

**PROFESSIONAL CERTIFICATION and Trainings**

* AWS Certified Solutions Architect - Professional Level
* AWS Certified Solutions Architect - Associate Level
* RHEL 6 training organized by REDHAT at Convergys Hyderabad.
* Completed training on NetApp – Data ONTAP 8.07 from HP Training center.
* ITIL training provided by GENPACT, Hyderabad.

**Site Reliability Engineer:**

**Evariant / Healthgrades– Austin, TX (July xxxx – January xxxx)**

**Responsibilities:**

**Environment:** AWS, Snowflake, Alteryx, Talend, Databricks, Tableau, Okta, Jenkins, Mulesoft

**AWS:**

* AWS (EC2, VPC, ELB, S3, EBS, RDS, Route53, ELB, Cloud Watch, CloudFormation, AWS Auto Scaling, Lambda,), GIT, SQL, Jira, AWS CLI, Unix/Linux, Ruby, Shell scripting, Jenkins, Terraform, Nginx, Tomcat,
* Responsible for architecting, designing, implementing and supporting of cloud-based infrastructure and its solutions.
* Managing Amazon Web Services (AWS) infrastructure with automation, orchestration, and governance with tools such as Saltstack, Terraform and CloudCheckr.
* Proficient in AWS services like VPC, EC2, S3, ELB, AutoScalingGroups(ASG), EBS, RDS, IAM, WAF, Guarduty, Route 53, CloudWatch, CloudFront, CloudTrail.
* Experienced in creating multiple VPC’s and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC.
* Created NAT gateways and instances to allow communication from the private instances to the internet through bastion hosts.
* Used security groups, network ACL’s, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
* Created and configured elastic load balancers and auto scaling groups to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.
* Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.
* Configured S3 buckets with various life cycle policies to archive the infrequently accessed data to storage classes based on requirement.
* Possess good knowledge in creating and launching EC2 instances using AMI’s of Linux, Ubuntu, RHEL, and Windows.
* Used IAM for creating roles, users, groups and implemented MFA to provide additional security to AWS account and its resources.
* Implemented domain name service (DNS) through route 53 to have highly available and scalable applications.
* Maintained the monitoring and alerting of production and corporate servers using Cloud Watch service.
* Created EBS volumes for storing application files for use with EC2 instances whenever they are mounted to them.
* Experienced in creating RDS instances to serve data through servers for responding to requests.
* Created snapshots to take backups of the volumes and images to store launch configurations of the EC2 instances.
* Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Continuous Integration using Jenkins and GIT.
* Experience with tools **MuleSoft, Alteryx, Tableau, Talend, Databricks.**

**Senior AWS Cloud Engineer/Infra Architect:**

**Client: MAP Health Management – Austin, TX**

**Employer: xxxx Technologies (November xxxx - May xxxx)**

**Responsibilities:**

* Architect designing and deploying high secured environment for HIPAA compliance environment.
* Architect the environment with master – child accounts to separate the PROD, Dev, and Test environments.
* Design the Prod account considering HIPAA compliance focusing security and compliance using SSO, VPN, Dedicated VPC, SSL, Encryption, KMS.
* Deploying infrastructure (EC2, RDS, Route 53, VPC, VPN, ELB, Security groups, Lambda, AWS Certification Manger, IAM) in the AWS cloud focusing on security, high availability, fault tolerance, auto-scaling.
* Securing the access to the PHI data with encryption at rest and in transit.
* Focus to automate the Infrastructure deployment using CFN, Terraform, and Ansible.
* Designing and deploying the backup solutions as per HIPAA requirement.
* Automating and scheduling backup using Python, Lambda and Cloud watch.
* Document the technical stuff in confluence
* Work on tasks/projects assigned through JIRA
* Monitor the environment using AWS Guardduty and Pulseway.
* Automated the AWS inventory to run every week and send the email every Monday.
* Cost and security monitoring.
* High level architecture design for devops environment using GOCD, Git, Open source artifact, Ansible and Python.
* SSO setup for different AWS accounts using OKTA.

**Principal AWS Cloud Devops/SA:**

**Client-: Apps Associates – Acton, MA**

**Employer: xxxxx IT Inc (May xxxx - November xxxx)**

**Responsibilities:**

* Architect and designing the application, infrastructure to migrate on to AWS.
* Designing and deploying infrastructure using the AWS cloud infrastructure focusing on high availability, fault tolerance and auto-scaling of the instances.
* Designing and creating CI/CD pipelines using orchestration tool Jenkins and configuration management tools Chef, Puppet and Satlstack.
* Docker container setup for application releases.
* Orchestration of dockers using kubernetes
* Docker image setup using docker hub.
* Expertise in using third party tools. Migration tools (Cloud Velox, Cloud Endure) and Reporting tools ( Cloud Checkr, Cloud Health).
* Worked on automation platforms like Ansible, Chef.
* Server-less architecture (AWS Lambda) deployed via AWS Cloud formation.
* Created or converted existing logging system to utilize Cloudwatch logging with auto-generated lambdas.
* Worked with team to setup package repository using Jfrog tool
* Worked on secure single sign on applications like Pingfed, SSO
* Securing the environment using Security Groups, Network ACls, KMS encryption
* Trustwave PCI & SOX compliance audits and security system administration.
* Configured and maintained user accounts for Dev, QA and production teams and created roles for EC2, RDS, S3, Cloud Watch, EBS resources to communicate with each other using IAM.
* Created and Configured Red Hat, Windows Server, Ubuntu, CentOS, Solaris and Fedora Virtual Machines in AWS using EC2, ElasticIP, VPC, Subnets, RouteTables, NATGateway.
* Cloud monitoring with Trendmicro, Splunk, Cloudwatch
* Cloud Managed Services.
  + AWS services cost management
  + Security Management
  + Implementing Best Practices
  + High availability.

**Principal AWS Cloud Devops/SA:**

**Apps Associates – xxxxxxx ,xxxxx (October xxxx - April xxxx)**

**Responsibilities:**

* Architect and designing the application, infrastructure to migrate on to AWS.
* Designing and deploying infrastructure using the AWS cloud infrastructure focusing on high availability, fault tolerance and auto-scaling of the instances.
* Designing and creating CI/CD pipelines using orchestration tool Jenkins and configuration management tools Chef, Puppet and Satlstack.
* Docker container setup for application releases.
* Orchestration of dockers using kubernetes
* Docker image setup using docker hub.
* Expertise in using third party tools. Migration tools (Cloud Velox, Cloud Endure) and Reporting tools (Cloud Checkr, Cloud Health).
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* Configured and maintained user accounts for Dev, QA and production teams and created roles for EC2, RDS, S3, Cloud Watch, EBS resources to communicate with each other using IAM.
* Created and Configured Red Hat, Windows Server, Ubuntu, CentOS, Solaris and Fedora Virtual Machines in AWS using EC2, ElasticIP, VPC, Subnets, RouteTables, NATGateway.
* Cloud monitoring with Trendmicro, Splunk, Cloudwatch
* Cloud Managed Services.
  + AWS services cost management
  + Security Management
  + Implementing Best Practices
  + High availability.

**Systems Engineer/AWS Cloud Engineer:**

**xxxxxx India Services Ltd, IND (December xxxx to October xxxx)**

**Responsibilities:**

* Handled AWS Cloud Operationsstarting from Design till Application delivery.
* Created migration plan to AWS public Cloud regions, designed architecture models compliant with security policies.
* Leading the team of Cloud Engineers and handling cloud operations like EC2, EBS, RDS, VPC, ELB, Autoscaling. and Designing Database High Availability Solutions on MS SQL & MySQL Multi-AZ RDS.
* Created, configured and implemented Virtual Private Cloud (VPC), Security Groups, Network Access Control List (NACL), Elastic Compute Cloud (EC2 instances), Elastic Block Store (EBS), Simple Storage Service (S3), Elastic Load Balancer (ELB), RDS MySQL, Subnets, Snapshots, Auto-Scaling groups, Route 53 DNS, Glacier, Cloud Front, Cloud Watch, Cloud Trail.
* Assigned Roles and Policies to Users, Security Groups by using Identity and **Access** Management.
* Gave architecture guidance for selected Business Units, assessing migration feasibility and deployment strategy based on AWS Architecture best practices.
* Worked on Ingress and egress of data to and from AWS.
* Designed, built, and deployed a multitude application utilizing the AWS stack (Including EC2, R53, S3, RDS, DynamoDB, SQS, IAM, and EMR)**,** focusing on high-availability, fault tolerance, and auto-scaling.
* Developed Disaster Recovery Plan and Business Continuity proposal utilizing AWS Services.
* Resolved AWS Network Infrastructure Issues, troubleshoot HPC Performance and HA Configuration.
* Experienced in designing and configuring VPC - CIDR block, subnet's, security groups, NACL's, Route Tables, direct connect and VPN.
* Installation, configuration of OS, and other third-party tools like Veritas, Opsware
* OS level patching using Opsware SAS on Linux servers
* Configuring storage at OS level, creating VXFS file systems, LVMs
* Root cause analysis with Vendor co-ordination after Panic/Dump/Crash.
* Incident change and problem management.
* NIS, NFS configuration
* Veritas patch administration, Veritas Netbackup administration,
* Netapp Storage 8.07 administration.
* VM instance administration.
* Build new servers as per the process document, both linux and solaris OS.
* Have knowledge on Netapp SnapMirror (Netapp to Netapp).
* Troubleshoot and resolve the Storage related issues on Netapp.
* Handling the creation of snapshots, volume copy and snapvault.
* Creating the luns with lunsetup.
* Sharing the netapp files to the UNIX and windows hosts.
* Knowledge on creating the FCP and iSCSCI luns.
* Knowledge on creation of snapdrives.
* Knowledge on management of WAFL and RAIN-4 and RAID DP groups.
* NetAPP CIFS and NFS file system management.

**Systems Consultant**

**Sierra Atlantic, IND (August xxxx – December xxxx)**

**Responsibilities:**

* Remote Administration of UNIX systems Redhat Linux and Sun Solaris.
* Installation of Linux on various platforms including baldes.
* Configure dell M610 blade servers and chassis, H/W mounting (rack mount servers).
* Installation and administration of latest RPM’s.
* Creating and administration of Logical Volumes, Physical Volumes using LVM.
* File system Administration of Linux LVM.
* NFS administration, File system management in Linux and Solaris.
* Performance tuning in Linux.
* Network troubleshooting in Linux.
* Patch Administration, installation of OS related patches.
* Configure remote console administration DRAC and troubleshooting.
* Analyze Performance bottlenecks and tuning kernel parameters accordingly.
* Root cause analysis with Vendor co-ordination after Panic/Dump/Crash.
* Vendor co-ordination for fix / replacement of the Hardware of the servers.
* Configure SAN storage (pillar), SAN switch, creating luns assign to hosts.
* Configure Veritas Netbackup client, backups & restore using tapes.
* Installing and configuration of vCenter Server and building a Highly Available VMware Infra Structure
* Managing ESXi servers in a Cluster environment. Creating, Increasing Datastores.
* Planning & Executing P2V (Physical to Virtual), V2V conversions using VMware Converter Standalone & management consoles.
* Management of vSwitches, VM kernel, Service console configurations.
* Managing vMotion and storage VMotion solutions.
* Installing, configuring & Managing Virtual Machines with versions.
* Resource Management & Capacity Monitoring on the vCenter server.
* Configure Virtual SAN networking, Configure a Virtual SAN cluster.
* Test and validate the Virtual SAN configuration and functionality
* Virtual SAN Policies and Virtual Machines
* Implementing Storage Policy, Implementing virtual machine storage policy
* Managing and Operating Virtual SAN, Manage hardware storage devices
* Manage hardware device failures, Identify vCenter Server alarms for Virtual SAN events
* Configure fault domains, Upgrade to Virtual SAN 6.2. Configuration of Diskgroups and VSAN
* Involved with the team for building VMware vrealize automation center on vSAN Cluster

**System Administrator**

**Genpact - IND (July xxxx – August xxxx)**

**Responsibilities:**

* Remote Administration of UNIX systems Redhat Linux and Sun Solaris.
* Installation of Linux on various platforms.
* Installation and administration of latest RPM’s.
* Creating Disk groups, Volumes using Veritas Volume Manager.
* File system Administration of Linux LVM, Veritas Volume Manager.
* NFS administration, File system management in Linux and Solaris.
* Performance tuning in Linux.
* Network troubleshooting in Linux.
* Patch Administration, installation of OS related patches and for Storage Foundation Suite 4.0 (VxVM, VCS).
* Remote console administration using Avocent console connection tool.
* Analyze Performance bottlenecks and tuning kernel parameters accordingly.
* Root cause analysis with Vendor co-ordination after Panic/Dump/Crash.
* Vendor co-ordination for fix / replacement of the Hardware of the servers.
* Printer configurations on UNIX platforms.
* Scheduled maintenance activities on the servers during off business hours.
* Incident & Change management services that are reported through the CRM- Kintana.
* Troubleshooting VMware issues.
* Experience in troubleshooting VMware instances from virtual centers.
* Migrating ESX servers between virtual clients.
* Upgrading the VMware host servers from 2.5 to 3 as part of a project.
* Root cause analysis for VMware issues with vendor coordination.

**Education:**

* Bachelor of Computer Science, xxxxxxx University.
* Master’s in computer science, xxxxxxx University.