# Venkat

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**CAREER OBJECTIVE   
  
My** career objective is to offer my services in such a manner, so that I’ll get counted as one of the useful asset for my employer in every aspect and at the same time I want to **achieve** great heights **success**.

**Professional Summary**

* IT Industry Experience with **AWS**, **Devops,** and **Linux Administrator.**
* Provided 24 x7 on-call supports in **debugging** and fixing issues related to **Linux** in Cloud Environment using **Amazon Web Services (AWS)**
* Experience in configuring secure **VPC** through **private** and **public networks** in AWS.
* Configured applications in **virtual private cloud** (VPC) and hardened it from malicious attacks using 2-layer protection from security groups (at instance level) and network access control lists (**NACL**, at subnet level) and using network access translator (**NAT**) instance.
* Deployed **LAMP** based applications in AWS environment, including provisioning **MYSQL-RDS** and establish connectivity between **EC2 instance** and **MySQL-RDS** via security groups.
* Configured **Elastic Load balancer** (ELB) including high availability of **ELB** using various **subnets** in various availability zones, configured security settings and health check for application.
* Provisioned **AWS S3** buckets for backup of the application and sync this contents with remaining **s3 backups**, by creating entry for **AWS S3** SYNC in crontab.
* Configured and managed **AWS Glacier**, to move old data to archives based on retention policy of databases/ applications (AWS Glacier Vaults).
* Wrote script to monitor crontab error messages and publish this to AWS**Cloud Watch** using **Python**.
* Configured **Apache** on **EC2 instances** to make sure application that was created is up and running, troubleshoot issues to meet the desired application state.
* Created customized **AMIs** based on already existing **AWS EC2** instances by using create image functionality, hence using this snapshot for disaster recovery. Created **AWS** Launch configurations based on customized **AMI** and use this launch configuration to configure auto scaling groups
* Develop cloud solutions using **IaaS** (Infrastructure as a Service) and PaaS (Platform as a Service). Collaborate with application owners, IT operations and cloud providers to translate business and functional requirements into infrastructure solutions.
* Configured auto scaling in customized **VPC**, based on elastic load balancer (ELB) traffic and using ELB health check in order to trigger auto scaling actions.
* Configured auto scaling policies to scale up/down **EC2 instances** based on **ELB health checks** and created **alarms** to be used in **auto scaling** decision making policies.
* Simulated failover by randomly deleting instances to test **Auto scaling** is working.
* Expertise in using build tools like **MAVEN** and **ANT** for the building of deployable artifacts such as war & ear from source code.
* Developed **Python** and **shell scripts** for automation of the build and release process, developed Custom Scripts to monitor repositories, Server storage.
* Automated the cloud deployments using Ansible and AWS Cloud Formation Templates.
* Created read replicas of **AWS-RDS-MSSQL Db** in various regions and **AZs** using backups and snapshots and scale out **AWS-RDS-MSSQL** instance to additional AZs and regions based on requirements using DB snapshots.
* Expertise in AWS **Identity and Access Management (IAM)** components, including **user**, **groups**, **roles**, **policies** and password policies and provide the same to end user.
* Created customized AWS Identity and Access Management (**IAM**) polices for various AWS resources to have required accessibility to required resources.
* Installed **Workstation**, **Bootstrapped Nodes**, wrote **recipes** and **cookbooks** and uploaded them to **Chef-server**, managed on-site OS/Application/services/packages using **Chef** as well as AWS for EC2/S3/ELB with **Chef Cookbooks**.
* Extensive experience in using Version control systems includes Subversion **(SVN), GIT.**Deployed and configured **Git** repositories with branching, forks, tagging, and notifications. Experienced and proficient deploying and administering **GitHub.**
* Operated 50+ Amazon Linux instances for Cloud-based social media application with 100% uptime expectation.
* Support for 3-tier Amazon Web Services cloud application including the following: Apache, Tomcat, and SQLServer DB.
* Worked at optimized volumes and EC2 instances and created multiple VPC instances.
* Implement VPC peering to ensure communication between instances in separate VPCs.
* Provision Amazon Linux, Ubuntu, Red hat and Windows EC2 instances using private AMIs and baseline.
* Used Docker for running different programs.
* Wrote Playbooks YML files to deploy automated tasks to many servers at once.
* Set up and configured Ansible.
* For some applications we use M3 and for some applications use M4, for Testing use t2.micro instance types.
* Install the GIT and configure the global credential.
* **Excellent communicative**, **interpersonal and intuitive** **leadership skills** with ability to work efficiently in both independent and team work environments.

**Educational Qualification**

* **B.sc Computer Science** from **William Carey University**.

**Technical skills**

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| **Cloud Services** | Amazon Web Services: EC2, S3, ELB, Auto scaling, Elastic Beanstalk, Cloud Front, Cloud Formation, Elastic Filesystem, RDS, DMS, VPC, Direct Connect, Route 53, Cloud watch, Cloud trail, IAM, SNS, Lambda. |
| **Virtualization** | VMware Client3.5. |
| **OS** | Red hat Linux 4/5/6/7, Ubuntu, Solaris8/9/10, Unix, Windows servers [2003, 2008, 2008 R2, 2012, 2012R2], Windows 2000, XP, Windows 7 |
| **Automation Tools** | Ansible |
| **CI/CD** | Jenkins |
| **Build Tool** | ANT, Maven |
| **Web Servers** | Apache, Tomcat. |
| **Version Control** | Subversion, Git, GitHub. |
| **Scripting languages** | Bash |
| **Network Protocols** | NIS, DNS, DHCP, NFS, SAMBA, FTP |

**Description:** Perform extensive work with AWS/Amazon architecture - key icons, Cloud integration, the creation of instances, and various database-related tasks. Successfully implemented storage/security for applications. Collaborated with team lead and participated in daily meetings, demos, and briefings to evaluate project specification documents and use cases. Collaborate with leaders, developers to manage IT function. Defined acceptance criteria and developed test plans. Performance management/reporting.

**Environment:** AWS (EC2, VPC, ELB, S3, RDS, Cloud Trail and Route 53), Linux (RHEL 4.x,5.x and 6.1/6.6), Amazon Linux, VDI, Git version Control, VPC, AWS EC2, S3, Route53, EBS, IAM, MSSQLSERVER, Lambda, ELB, Cloud watch, Cloud Formation, AWS CLI, AWS Auto Scaling, Unix/Linux, Maven.