**A close up of a logo

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**SUMMARY:**

* + - An AWS and Google certified professional having around 4years of experience in IT industry with ability to accomplish all aspects of the Software Configuration Management (SCM), DevOps, Amazon Web Services (AWS) and System Administration.
    - Hands on Experience with various GCP services including Bigtable, Big Query, StackDriver, Pub/Sub, Data Flow, App Engine, Storage etc.
    - Expertise in designing the Google Cloud architecture by following the financial regulations from security point of view. Expertise in several GCP service focusing on Security, Kubernetes and Biq Query.
    - Expertise in several GCP service focusing on Security, Kubernetes and Biq Query.
    - Expertise in automation of the infrastructure using Terraform for both AWS and GCP.
    - Hands on experience with AWS cloud services like IAM, S3, Glacier, EC2, EBS, Elastic Load Balancer, Domain Name Service, Snowball, Route 53, DynamoDB, and AWS Lambda.
    - Experience with setting up Chef Infra, bootstrapping nodes, creating, uploading recipes and cookbooks. Familiar with Ansible.
    - Experience in configuring and maintaining Jenkins to implement the CI process for major releases and in integrating the tool with Ant and Maven to schedule the builds.
    - Experience in monitoring infrastructure to identify and troubleshoot issues on servers using tools like Nagios and JIRA.
    - Familiar with the Kubernetes architecture like creating pods, kubelet, kubectl, Kubernetes API.
    - Familiar with Linux based database management systems like RDBMS, MySQL, MongoDB and NoSQL and built and maintained SQL scripts.
    - Experienced in deployment of applications on Apache Webserver, Nginx and Application Servers such as Tomcat, JBoss.
    - Experience with TCP/IP, SSH, DNS, DHCP, FTP, TFTP, SNMP, SMTP and TELNET networking protocols.
    - Experience working in highly dynamic environment using Agile SCRUM methodology.
    - Closely worked with Developers and Analysts to address project requirements.
    - Positive attitude, strong work ethic, and ability to work in a highly collaborative team environment.

**EDUCATION:**

* Master’s in Computer Science (specialized in **DATA SCIENCE**) from University of Central Missouri with 3.77 GPA.
* Bachelor’s in IT from Godavari Institute of Engineering and Technology with 3.31 GPA.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Operating Systems** | RedHat Linux, Ubuntu, Centos, Windows, And Mac. |
| **Cloud services** | GCP (Google Cloud Platform), Amazon Web Services (AWS). |
| **Web servers** | Apache Tomcat, WebLogic and Web Sphere. |
| **Version Control Tools** | GIT, SVN, TFS |
| **Build / CI Tools** | Apache Ant, Apache Maven and Jenkins. |
| **Provisioning / Containerization Tools** | Ansible, Chef, and Docker. |
| **Database** | MySQL, NoSQL, and Oracle. |
| **Tracking Tools** | JIRA |
| **Monitoring Tools** | Nagios, Cloud Watch, StackDriver. |
| **Scripting Languages** | Shell, Ruby, Python. |

**WORK EXPERIENCE:**

**Mayo Clinic, Rochester, MN**

**GOOGLE CLOUD/DATA ANALYTICS ENGINEER**

***June 2018 to Present***

* + Automated the Google cloud platform Infrastructure using GCP Cloud Deployment Manager.
  + Secured the GCP infrastructure using Private subnets, Security groups, NACL(VPC), WAF etc.
  + Implemented Automation scripts in python, jinja and bash to deploy and manage GCP services like Custom VPC, VPN, Subnets, Stack driver etc.
  + Integrated GCP with the existed CISCO Cloud center platform governance including creating Cloud Center assets such as deploying environments, app profiles, and services.
  + Implemented redundant connectivity between Client and GCP regions through VPN Connection.
  + Integrated GCP with enterprise services such as AD, ServiceNow, DNS, IPAM, Certificate and key management, and enterprise Network.
  + Defined key roles and associated policies such as break-glass Super-User, Organizational Administrator, Auditor, Network Administrator, etc.
  + Assisted in selection of appropriate VPC layout by creating a Shared VPC to share the VPN connectivity to the On Prem network. Automated the whole process with jinja scripting.
  + Actively participated in implementing the whole GCP infrastructure from Scratch.
  + Experienced in various GCP services including Bigtable, Big Query, StackDriver, Pub/Sub, Data Flow and open source services like Forseti.
* Managed Google BigQuery instance for the data warehouse, using Google Data Prep and Google storage as the staging platform. Deployed the application using Google App Engine.
* Developed workflow in Azkaban to automate the tasks of creating DataProc Cluster, loading data in Google Storage and consolidating data in BigQuery table using standard SQL.
* Responsible for building scalable distributed data solutions in both batch and streaming mode on Google BigQuery using Kafka, Spark and Core Java.
* For monitoring purposes created a Sink by collecting all the event driven objects into a single location by creating a separate project. Used PubSub for exporting all the project level objects and organizational level objects to Splunk.
* Installed and configured Forseti an open-source tool. Customized firewall rules, user domain rules.
* Setup regular scans across all the environments and enforce customized firewall rules using Forseti.
* Encrypted data at rest for the core GCP services such as virtual machines, containers, and PD’s. By designing the architecture for Key Management System (KMS). Created a Key-Rings for every business unit.
* Provided highly durable and available data by using Cloud Storage, versioning, lifecycle policies, and create AMIs for mission critical production servers for backup.
  + Used StackDriver for Inventory management and to monitor deployed services. Configured several alerts for varioususe cases.
  + Created dashboard in StackDriver for resource monitoring, Error reporting.
* Setup Jenkins server and built jobs to provide continuous automated builds based on polling the GIT and integrated GIT with Jenkins to automate the code check out process with the help of Jenkins DSL Plugin.
* Created, tested and deployed an end-to-end CI/CD pipeline for various applications using Jenkins as the main Integration server for Dev, QA, Staging and Prod environments.

**Sheridan Healthcare, Fort Lauderdale, FL**

**AWS/DEVOPS ENGINEER**

***January2017to May2018***

* + - Designed, configured and managed public/private cloud infrastructures using AWS, including EC2, VPC, AWS Lambda, Elastic Load Balancer, Cloud Watch and IAM.
    - Involved in Migrating servers, databases, and applications from on premise datacenters to Amazon Web Services (AWS).
    - Leveraged AWS cloud services such as EC2, auto-scaling and VPC to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts.
    - Managed EC2 instances utilizing Launch Configuration, Auto scaling, Elastic Load balancing, automated the process of provisioning infrastructure using Cloud Formation templates, and used Cloud Watch to create alarms and monitor environments.
* Deployed and configured Elasticsearch, Logstash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with AWS Lambda and CloudWatch.
* Configured AWS IAM policies for users, utilizing Multi Factor Authentication (MFA) service and API Keys for login authentication and protects the data at rest using (KMS) Key Management Service and data at transit using (TLS) Transport Layer Security Protocol.
* Extensively involved in infrastructure as code, execution plans, resource graph and change automation using Terraform. Managed AWS infrastructure as code using Terraform and written new plugins to support new functionality in Terraform.
* Launched Database for MySQL and Oracle using RDS in multiple Available zones, have setup monitoring for CPU Utilization and limited DB connections by implementing alarms integrated to pager duty via Cloud watch.
  + - Worked in the Chef environment for configuration management of existing instances on AWS and data centers.
    - Installed Chef Server on the workstation and bootstrapped the nodes using Knife and involved in writing Chef Cookbooks and recipes to automate the deployment process.
* Deployed and configured Chef Server and Chef Solo including bootstrapping of chef client nodes for provisioning; created roles, cookbooks, recipes and data bags for server configuration, deployment and app stack buildouts and managed Chef Cookbooks to automate system operations.
* Worked on end to end setup of the Artifactory pro as a Docker container with a secure private Docker registry and local Docker repositories for storing the built Docker images.
  + - Installed and configured Jenkins and created master and slave nodes for handling multiple builds, installing plugins wherever required for the implementation of the builds.
    - Integrated Jenkins with various DevOps tools such as Nexus, SonarQube, Chef, Git and Maven, developed Jenkins jobs to automatically manage, test, and deploy code and applications.
    - Worked on integrating GIT into the continuous Integration environment along with Jenkins.
    - Performed and deployed Builds for various Environments like QA, Integration, UAT and Productions Environments.
    - Used JIRA as a Ticketing tool and configured Elasticsearch, Logstash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with AWS lambda and CloudWatch.
    - Developed Python and Bash scripts for automation of the Build and Release process.

**Anthelio, Hyderabad, IN**

**LINUX SYSTEM ADMINISTRATOR**

***January 2015 to* *June 2016***

* Managed Access Control - Set up user and group IDs, password settings and resolved permission related issues.
* Configured SUDO and granted root permissions to users to perform certain activities.
* Monitored and controlled system processes using top, nice, kill etc.
* Monitored system logs and activity on all servers.
* Created BASH shell scripts to automate cron jobs and system maintenance, scheduled cron jobs for job automation.
* Created JIRA support requests project for daily support tickets from user across different teams in the organization.
* Provided support to customers via ticketing and/or phone for Linux servers, completed all project requirements as requested in a timely manner.
* Monitored system activities like CPU, memory, disk space to avoid performance issues.
* Created Linux/Unix/Windows Virtual Machine using VMware.
* Performed RPM and YUM package installations, patch and another server management.
* Used SSH and Telnet for remote access.
* Performed backup and restored operations using tar and gzip.
* Created JIRA support requests project for daily support tickets from users across different teams in the organization.
* Solid understand of TCP/IP, DNS, DHCP, and networking fundamentals.
* Created Firewall rules for new servers to enable communication with applications.
* Used shell/bash scripting to do administrative automation tasks including installing, configuring, managing files, users, repositories, applications, debugging and troubleshooting.
* Configured LDAP authentication and setup external authentication using Active Directory and IPA servers.
* Managed critical bundles and patches on the production servers after successfully navigating through the testing phase in the test environments.