**Zanda**

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**Visa :USC**

**Location: New Jersery**

**Professional Summary:**

* Experience working in Agile Scrum Software Development Life Cycle **(SDLC)** with respect to delivering Operations, Functional and Technical Specifications, Resource Planning, Development, Testing, and Maintenance.
* Wrote **Ansible**playbooks to manage configurations and automate installation process.
* Used **Ansible**and **Ansible**Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Managing the configurations of multiple servers using **Ansible** & **Chef.**
* Managed environments DEV, QA, UAT and PROD for various releases and designed instance strategies.
* Good knowledge about **CI/CD**.
* Managed **Multi Flavour of Linux** and **Windows** virtual servers with Ansible & Chef using **Git**.
* Extensively worked on **Cloud Bees**, **Jenkins** and **Team City** for continuous integration (CI) and for End-to-End automation for all build and deployments.
* Performed Automation and Scaling of applications using **Kubernetes.**
* Experience with **Ansible**Tower to manage Multiple Nodes and Manage Inventory for different Environments.
* Used **Ansible**to orchestrate software updates and verify functionality.
* Terraforming and **Cloudformation** to code all infrastructures into Azure, AWS and GCP.
* Organized different infrastructure resources like physical machines, VMs and even containers using **Terraform**.
* Worked on Terra form to set up the AWS infrastructures such as launching theEC2 instances, S3buckets, VPC, Subnets, and created the module driven AWS Infrastructure with **Terraform**
* Used **GIT**as Version Control System for two applications. Managed development streams and Integration streams.
* Used **AWS**Bean Stalk for deploying and scaling web applications and services developed with Java, Node.js, Python and **Ruby**on familiar servers such as Apache, and IIS.
* Worked on **Docker**container snapshots, attaching to a running container, removing images, managing directory structures and managing containers.
* Experience working on several Docker components like Docker Engine, Hub, Machine, **Compose**and Docker Registry.
* Experience working on **docker hub,**creating docker images and handling multiple images primarily for middleware installations and domain configurations.
* Used **Docker**for configuration management automation
* Setup Elastic Load Balancer for distributing **traffic**among multiple Web Logic servers and involved in deploying the content cloud platform on Amazon Web Services using **EC2, S3**and **EBS.**
* Creating the AWS Security groups to enable firewall.
* Automated **AWS**volumes snapshot backups for enterprise using Lambda.
* Created functions and assigned roles in AWS **Lambda**to run python scripts.
* Administration and maintenance of **Docker**runtime environment, Versioning and lifecycle management of **Docker images**, Experienced in Docker orchestration framework.
* Automated Compute Engine and Docker Image Builds with **Jenkins**and **Kubernetes.**
* Having good implementation experience with installation and configuration of **Kubernetes,** clustering them and managed local deployments in **Kubernetes.**
* Provided consistent environment using **Kubernetes**for deployment scaling and load balancing to the application from development through production, easing the code development and deployment **pipeline**by implementing **Docker**containerization.
* Focused on **containerization**and immutable infrastructure. Docker has been core to this experience, along with Kubernetes**, Docker Compose, AWS ECS Azure EKS & Mesos**.
* Integrated **Kubernetes**with network, storage, and security to provide comprehensive infrastructure and orchestrated container across multiple hosts.
* Created Docker images using a **Docker file**. Worked on Docker container **snapshots**, removing images and managing **Docker volumes** and experienced with Docker container service.
* **Ansible**playbooks to manage configurations and automate installation process.
* Used **Ansible**and **Ansible**Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Managing the configurations of multiple servers using **Ansible.**
* Managed Artifactory repository for the current project created a new repository and provisioned it.
* Shell scripts & Python script to automatically restart the u Deploy agents on LINUX machines
* Performed Automation and Scaling of applications using **Kubernetes.**

**EDUCATION DETAIL :**

 Bachelor of Business Administration - Computer/Information Technology Administration and Management in 2015- Baruch College

**TECHINICAL SKILL SET:**

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| --- | --- |
| **Operating Systems** | **Unix/Linux(RedHat, 5/6,CentoOs, SUSE), Ubuntu 14,Windows 2008 server** |
| **Versioning Tools** | **GIT, GitHub, GitLab** |
| **Configuration Management** | **Chef, Puppet, Ansible, Terraform, AWS Ops Works** |
| **AWS Cloud Tools** | **AWS Administrator, EC2, VPC, EBS, S3, AMI, SQS, SNS, RDS, Cloud Watch, Dynamo DB, IAM** |
| **Languages** | **Python, SQL, HTML,** |
| **CI tools** | **Jenkins, AWS Code Build and Deploy** |
| **Scripting** | **MAVEN, Shell, Groovy, Yaml** |
| **Web Technologies** | **Servlets, JDBC, JSP, HTML, Java Script, XML.** |
| **Web Servers** | **Apache Tomcat, JBOSS.** |
| **RDBMS** | **Oracle, MY SQL, SQL server.** |

**PROFESSIONAL EXPERIENCE:**

**Client: Quest Diagnostics, NJ November 2021 - Till Date**

**Role: Senior DevOps Engineer**

**Responsibilities:**

* Creating Amazon **EC2**instances using command line CLI and troubleshoot the most common problems with instances and monitor the health of Amazon EC2 instances and other **AWS**services.
* Involved in supporting cloud instances running Linux and Windows on **AWS Administrator,** experience with Elastic IP, Security Groups and Virtual Private Cloud in **AWS Administrator.**
* Extensive experience on configuring **Amazon EC2**, **Amazon S3**, Amazon Elastic Load **Balancing IAM**and **Security Groups**in Public and Private Subnets in **VPC**and other services in the **AWS**
* Maintaining and developing **Docker** images for a tech stack including Cassandra, Kafka, Apache and several in house written in both **OpenStack** and AWS cloud on **Kubernetes**.
* Used **Docker** and **Kubernetes** to manage micro services deployment.
* Used **Kubernetes** to create Pods, Config Maps and deployments into the cluster.
* Hands on experience on **Kubernetes** to automate the deployment, scaling and operations of application containers across clusters of hosts.
* Create a custom image of an **Azure** VM with Azure PowerShell and create a VM scale set and deploy a high available app on Windows with Azure PowerShell.
* Experience in load balance Windows VM in **Azure** to create high available application with Azure PowerShell and manage Azure Virtual Network for Windows VM with **Azure** PowerShell.
* Experience in Backup and restore files for Windows VM in **Azure cloud**.
* Managed network security using **Load balancer**, **Auto-scaling**, **Security groups**and **NACL**.
* Utilized **AWS**CLI to automate backups of ephemeral data-stores to **S3 buckets,** **EBS**and create nightly **AMIs**for mission critical production servers as backups.
* Deploy application code using CI/CD pipeline with Azure DevOps in Azure cloud, scale VM build automation using Azure DevOps in Azure VM agent plug-ins.
* Virtualized the servers using **Docker**for the test environments and dev-environments needs, also configuration automation using **Docker**containers.
* Experience in creating **Docker**Containers leveraging existing Linux Containers and AMI's in addition to creating **Docker**Containers from scratch on both Linux and Windows servers.
* Worked with AWS **Cloud Formation Yaml and Terraform modules and deployed EKS Clusters.**
* Creating **BuildSpec and DeploySpecs**jobs and CICD on **AWS Code Build and Code Deploy**.
* Extensively worked on **Jenkins CI/CD pipeline**jobs for end-to-end automation to build, test and deliver artifacts and troubleshoot the build issue during the Jenkins build process.
* Managing Jenkins artifacts in **Artifactory** and versioning the artifacts with time stamp, Deploying artifacts into EC2’s in **AWS**cloud with ansible and Jenkins.
* Created continuous integration system using **Ant,** **Jenkins,** **Pupspet full automation,** **Continuous Integration,** faster and flawless deployments.
* Installed and administered **GIT**source code tool and ensured the reliability of the application as well as designed the branching strategies for **GIT.**
* Deployed and configured Git repositories with branching, forks, tagging, merge requests, and notifications.
* Experience on working with on-premises network, application, server monitoring tools like **ELK, Splunk,** and on **AWS with** **CloudWatch monitoring tool.**
* Experienced in working on Scripting languages Python, Ruby, Shell, Bah.
* Experience installing, upgrading, and configuring **RedHat Linux**6.x, 7.x, using Kickstart Servers and Interactive Installation.
* Managed systems routine backup, scheduling jobs, enabling cron jobs, enabling System logging and network logging of servers for maintenance.
* Experienced working with Logical Volume Manager ( **LVM**) in creating physical volumes, volume groups and logical volumes, extending and resizing the volume groups

**Environment:** Terraform, AWS,S3, EBS, Elastic Load balancer (ELB), Auto Scaling groups, VPC,IAM, Cloud Watch, Glacier, DynamoDB, OpenStack, shell/Python scripts, GIT, Jenkins, Maven, Nexus, Ansible, Docker, Kubernetes, JIRA, Splunk, Nagios, Python, Nginx, Tomcat, Windows and Linux environment, VMware ESX/ESXI Server and Workstation.

**Client: Elsevier, NY June 2020 to November 2021**

**Role: Senior DevOps Engineer**

**Responsibilities:**

* Created AWS Launch configurations based on customized AMI and use this launch configuration to configure auto scaling groups and Implemented AWS solutions using **EC2, S3, RDS, DynamoDb, Route53, EBS, Elastic Load Balancer, Auto scaling groups**.
* Involved in reviewing and assessing current infrastructure to be migrated to the **AWS**cloud platform.
* Configured **AWS IAM** and Security Group in Public and Private Subnets in **VPC**.
* Worked with IAM service creating new IAM users & groups, defining roles and policies and **Identity providers like OKTA and Ping**.
* Automated Compute Engine and **Docker** Image Builds with Jenkins and **Kubernetes**.
* Having good implementation experience with installation and configuration of Kubernetes, clustering them and managed local deployments in **Kubernetes**.
* Provided consistent environment using **Kubernetes** for deployment scaling and load balancing to the application from development through production, easing the code development and deployment pipeline by implementing **Docker** containerization.
* Focused on containerization and immutable infrastructure. **Docker** has been core to this experience, along with AWS ECS and **Kubernetes**.
* Integrated **Kubernetes** with network, storage, and security to provide comprehensive infrastructure and orchestrated container across multiple hosts.
* Created **AWS Route53** to route traffic between different region. Involved in reviewing and assessing current infrastructure to be migrated to the **AWS**cloud platform.
* Responsible to maintain the networking form cloud back to On-Prem connectivity and no direct internet access from cloud VPC to the Internet.
* Used **AWS Elastic Beanstalk** for deploying and scaling web applications and services developed with Java, PHP, Node.js, **Python**, **Ruby**, and **Docker**on familiar servers such as Apache, and IIS.
* Designed **AWS**Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Manage **AWS**EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our SIT, UAT, Prod and DR environments**.**
* Experience in Setting up the build and deployment automation for **Terraform**modules using Jenkins.
* Provisioned the highly available AWS Stacks using **Terraform**and **Cloud Formation**.
* Involved in using **Terraform to** migrate legacy and monolithic systems to AWS Cloud Native services.
* Extensive experience in using CICD Automation tools like**Maven, Artifactory**and **Jenkins.**
* Installation & Configuration of **Apache**WebServer using **Ansible playbooks.**
* Worked on deployment automation of all the **microservices**to pull image from the private **Docker**registry and deploy to swarm cluster.
* Hands-on experience in diagnosing, troubleshooting various networking, hardware & **Linux / UNIX**server services issues and performing preventive maintenance.
* Perform software installations and upgrades to **Linux systems**and maintaining them in accordance with established policies, procedures and service level

**Client: Interas Labs May 2015 – May 2020**

**Role: Cloud Engineer / DevOps Engineer**

**Responsibilities:**

* Responsible for maintaining Linux servers (RHEL, Ubuntu and Amazon) as well as ensuring the health and stability of the server using AWS CloudWatch. This included trouble shooting possible package/library conflicts using various OS, server, and application logs to pinpoint the problem in order for it to be corrected.
* Experience in designing and deploying AWS Solutions using EC2, S3, EBS, Elastic Load balancer (ELB), auto-scaling groups and OpsWorks.
* Worked at optimizing volumes and EC2 instances and created multiple VPC instances.
* Experience working with IAM in order to create new accounts, roles and groups.
* Experience in creating alarms and notifications for EC2 instances using Cloud Watch.
* Experience involving configuring S3 versioning and lifecycle policies to and backup files and archive files in glacier.
* Creating AWS Lambda function to automate snapshot back up on AWS and set up the scheduled backup.
* Used Chef to configure and manage infrastructure. Wrote cookbooks and recipes to automate the configuration setups.
* Used Build Tool Gradle for setup of Build Jobs in Jenkins.
* Managed Ubuntu Linux and Windows virtual servers on AWSEC2
* Developed build and deployment script using Python and Shell scripting.
* Troubleshoot the automation of Installing and configuring applications in the test environments.
* Created and maintained the Shell/Ruby deployment scripts for tomcat and UNIX servers.
* Supported 50+ AWS Cloud instance's and also familiar with Amazon Cloud command line management.