**Divya**

**AWS DevOps Engineer**

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**PROFESSIONAL SUMMARY:**

* Over 7 Years of experience in the IT industry as Cloud/DevOps Engineer focused in areas such as AWS, GCP, DevOps, Linux, Scripting, automation, and troubleshooting.
* Experienced in AWS services such as EC2, S3, IAM, EBS, KMS, VPC, Cloud watch, ELB, Auto Scaling, Security groups, NACL’s, kinesis, AMI, DynamoDB, Route 53, Amazon Kubernetes service, ECS, ECR, Cloud Formation, Elastic Beanstalk, S3 Glacier, ElastiCache, AWS Lambda, SNS, SQS, Trusted Advisor.
* Good Knowledge on GCP services such as gcloud, gsutil, BigQuery, IAM, Cloud KMS, Compute Engine, Image, Firewall Rules, Auto scaling, Cloud Load balancer, Google Kubernetes Engine, Persistent Disks, Cloud Storage, Cloud storage Archive, Cloud Monitoring, Cloud Audit Logs, Pub/Sub.
* Utilized Terraform & Ansible as Infrastructure as a Code (IAC) to build the infrastructure for the services in AWS/GCP.
* Good experience in Integrate, build and deploy the applications in DevOps utilizing the tools such as Jenkins, GitHub, Maven, Nexus Artifactory, SonarQube, Ansible and Octopus Deploy.
* Good Experience in infrastructure Automation, Continuous Integration (CI) & Continuous Deployment (CD) using Jenkins, Octopus Deploy.
* Expertise in using build tools like MAVEN for the building of deployable artifacts such as war & ear from source code.
* Experience in authoring pom files, performing releases with the Maven release plugins.
* Highly automation oriented and strong programming hands on experience of Python, SQL, and Shell Scripting.
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Extensively worked with Scheduling, deploying, and managing container replicas onto a node cluster using Kubernetes and worked with building Kubernetes run time environment of the CI/CD system to build, test and deploy in an open-source platform.
* Responsible for working with Docker components, creating docker containers & handling multiple docker images.
* Experience in Splunk queries and dashboards targeted at understanding application performance and capacity analysis.
* Experience in Designing, Installing, and Implementing Ansible configuration management system and in writing playbooks for Ansible and deploying applications.
* Experienced in supporting database systems including Oracle, MySQL, Linux/Unix, and Windows environment.
* Worked on Linux Distributions such as RedHat, CentOS, Ubuntu to perform duties such as Patching servers, managing file permissions, technical support and Troubleshoot issues.

**TECHNICAL SKILLS:**

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| **Cloud Technologies** | Amazon Web Services, Google Cloud Platform |
| **CI/CD Tools** | Jenkins, Bamboo, Octopus Deploy |
| **SCM Tools** | Git, SVN, Bitbucket |
| **Build Tools** | Maven, Ant, Gradle |
| **Configuration Management Tools** | Ansible, Chef, Puppet |
| **Monitoring** | Splunk, Nagios |
| **Containerization Tools** | Docker, Kubernetes |
| **Scripting Languages** | Ansible, Terraform, Bash, Python |
| **Application Server** | Apache Tomcat |
| **Virtualization Tools** | Vagrant, VMware ESXi, |
| **Operating System** | RHEL, Centos, Ubuntu, windows |
| **Databases** | MySQL, SQL server, MongoDB, DynamoDB (NO SQL) |
| **Networking** | SSH, FTP, DHCP, VPC, Route 53, HTTP/HTTPS, SMTP |

**EDUCATION DETAILS:**

**Bachelor’s Degree in 2014, VNR VJIET, Hyderabad, Telangana, India.**

**WORK EXPERIENCE**

**Vidence, Boca Raton, FL Oct 2020 – Present**

***Role:*** *AWS Devops Engineer*

* Utilized Terraform modules that are written by our developers and modified the scripts based on the tenant requirement to provision services in AWS.
* Written many Ansible playbooks from scratch to ensure one push of a button deployments such as server patching, Application installing or Configuring such as adding tags to the AWS Services.
* Deployed and maintained applications in AWS using preconfigured EC2 AMIs, and preconfigured ECS docker containers build from a Docker file and imported into ECR, leveraging on AWS high availability and fault tolerant tools like Auto Scaling and Elastic Load Balancer and Route 53, and using CloudWatch metrics to trigger events.
* Provided security and managed user access and quota using AWS Identity and Access Management (IAM), including creating new Policies for user management in JSON.
* Worked on AWS EC2 instances containing various platforms such as RHEL, CentOS, Ubuntu in Linux, and windows.
* Created Jenkins pipeline to migrate the data from On-prem and deploy to Cloud bucket/Storage that includes code quality scanning & Vulnerability checks by integrating Pytest & Checkmarx Scan.
* Exposure to various plugins & automated the process using Jenkins and drove my tenants at Vidence to integrate & build their projects.
* Extensive experience using Maven as build tool and writing POM files to automate the build process for the new projects and deployed artifacts (jar, war & ear) to the Nexus antifactory.
* Maintained Deployments & Release using Octopus deploy and is integrated in the Jenkins pipeline (deployment stage).
* Hand-on with Git/GitHub on daily basis that includes performing Clone,Pull, Push, Merge, Commit and so on.

**Kelmar Associates, Wakefield, MA Jan 2018 – Oct 2020**

***Role:*** *AWS Engineer*

* Setup/Managing Linux Servers on Amazon (EC2, EBS, ELB, Security Groups and IAM).
* Automated AWS Configurations & provisioning using Terraform & Ansible. Implement and manage continuous delivery systems and methodologies on AWS.
* Work with Security division to design and manage IAM roles for users, vendors and other third-party vendors.
* Deployed and configured Git repositories with branching, forks, tagging, and notifications. Experienced and proficient deploying and administering GITHUB.
* Created Jenkins CICD pipelines for continuous build & deployment and integrated Junit and SonarQube plugins in Jenkins for automated testing and for Code quality check.
* Maintaining and troubleshooting of continuous build/deployment systems - Jenkins, GITHUB, Nexus, JIRA.
* Designed and implemented a continuous build-test-deployment (CI/CD) system with multiple component pipelines using Jenkins to support weekly releases and out-of-cycle releases based on business requirement.
* Deployed and optimized multi-tier Java, Python web applications to AWS DevOps CI/CD to focus on development by using services such as Repos to commit codes, Test Plans to unit test, deploy App Service, health performance and usage data of the process, stored artifacts in the storage.
* Extensive experience in implementing the CI/CD (Continuous Integration /Continuous Delivery) framework using Jenkins, Maven & Artifactory in Linux environment and Integration of Maven/Nexus, Jenkins, Git, Confluence, Jira.
* Used Jenkins plug-ins like Build pipeline, job DSL, templates etc. Wrote GROOVY snippets in Jenkins.
* Installed and configured Jenkins with SonarQube and GIT by installing GIT plugins and building the artifacts using Maven automation tool and storing the build artifacts into Nexus repository and deploying it to WebSphere server.
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes.
* Creating custom roles and playbooks in Ansible. Using Templates and Json files in Ansible and deploying on docker.
* Automated configuration management and deployments using Ansible playbooks and Yaml for resource declaration. And creating roles and updating Playbooks to provision servers by using Ansible.
* Hands on experience in Elastic Search, Splunk and other enterprise monitoring tools.

**WGU, Salt Lake City, UT Feb 2016 – Dec 2017**

***Role****: DevOps Engineer*

* Involved in deploying a multitude application utilizing almost all the AWS stack (Including EC2, Route53, S3, RDS, DynamoDB, SNS, SQS, IAM).
* Developed ANSIBLE Playbooks with Python, SSH as the Wrapper to Manage Configurations of AWS Nodes and test playbooks on AWS instances using Python. Run Ansible Scripts to provision Dev servers.
* Administered and created a Build, Test, deploy chain environment using Jenkins, and GitHub with Dev/Test branching model for weekly and scheduled releases.
* By using Jenkins as a full cycle continuous delivery tool involving package creation, distribution, and deployment onto Tomcat application servers via shell scripts embedded into Jenkins jobs.
* Initiated Microservices application through Docker and Kubernetes cluster formation for scalability of the application. Deployed Microservices with Ansible Playbook in Docker containers.
* Created Pods, Deployments, Services and Replication Controller in Kubernetes and used Spinnaker for Kubernetes Continuous Deployment and Rolling Updates.
* Installation, Configuration, and Administration of Apache Webservers.
* Extensive experience using Maven as build tool and writing POM files to automate the build process for the new projects and for the building of deployable artifacts (jar, war & ear) from source code.
* Created CI/CD pipelines for Python & Java projects that includes integration of Maven(Build stage), testing & scanning stages with SonarQube, Checkmarx, Pytest, Junit and deploying artifacts to the target nodes.
* Used MAVEN as a build tools on java projects for the development of build artifacts on the source code.
* Worked on maintaining the Linux servers. Also provided support to developer’s team for their issues with the application, tuning, troubleshooting software running on Servers.

**Optum Global Solutions, Hyderabad, India**  **May 2014 – Dec 2015**

***Role:*** *Build and Release Engineer*

* Worked on analyzing, design, development and testing phases of the application using Agile methodology.
* Implemented, managed build and release methodologies.
* Performed Database Testing using SQL to check the Data Validation and Data Integrity.
* Installation, configuration, and maintenance of DNS servers, Mail servers, FTP server.
* Build new servers, configuration, mostly on RHEL 6 and 7 as per customer request.
* Administration of DHCP, DNS, NFS and Samba servers in Linux.
* Applied patches on all Linux Boxes from the common repository using YUM.
* Managed Disks and File systems using LVM on Linux, kernel patching.
* Managed GitHub repositories for branching, merging, and tagging.
* Installed and Configured Hudson for Continuous Integration.
* Used Jenkins to perform automated Builds and Deployments.
* Established processes and tools to maintain code base integrity, including check-in validation rules and Branch/merge processes.
* Supported and developed tools for integration, automated testing, and release management.