**Hanumantha Chunduru**

**Devops Engineer**

**Professional Summary**:

* Having 5+ years of Experience in Implementing Organization DevOps strategy in various environments of Linux and windows servers along with adopting cloud strategies based on Amazon Web Services and Microsoft Azure.
* Experience in Cloud Technologies like VPC, EC2, S3, RDS, Route 53, Cloud Watch in AWS and Virtual Machines, VMSS, Azure Functions, SQL Database, Azure DevOps, Azure Active Directory, Cloud Shell, Azure Storage, Azure Virtual Network, Express Route, VPN Gateway, Azure DNS in Microsoft Azure.
* Experience automated build platforms/continuous integration using DevOps architecture.
* Having good exposure in Jenkins for CI (Continuous Integration).
* Having experience on Custom tools, Yum & RPM.
* Using Jenkins Manage and Build code with Authorization.
* Experience in writing the Pipeline scripts in Jenkins using Groovy.
* Having good experience on CI using GIT.
* Experience in setting up and maintaining auto-scaling AWS.
* Have good hands-on experience Configuration Management Tools like Ansible.
* Deploy Ansible and Jenkins to completely provision and manage AWS EC2 instances, volumes, DNS, and S3.
* Experience in writing the Ansible Playbooks with help of YAML script.
* Have good hands-on experience with version control systems like GIT.
* Maintaining and Monitoring the Servers using Cloud Watch.
* Experience in configuring and maintaining Git Lab to implement the CI process and integrating the tool with Maven to schedule the builds and automated the deployment on the application servers.
* Experience in enabling Continuous Delivery through Deployment into several environments of Test, QA, UAT, Pre-Prod and Production using Git Lab.
* Experience on creating docker container and customized images in Docker.
* Experience on deploying the pods in Kubernetes.
* Supported the deployment of Salesforce applications using change sets and Salesforce DX.
* Collaborated with development, QA, and operations teams to define and implement best practices for Copado usage, version control, and deployment strategies.
* Ability to communicate requirements effectively to team members and manage applications.
* Self-motivated and I can easily adapt new technologies and tools.
* Ability to work in both independent and Team environments.

**Technical Skills:**

|  |  |
| --- | --- |
| **Configuration Management Tools** | Chef, Puppet, Ansible |
| **Continuous Integration Tools** | Jenkins, Git Lab |
| **Operating Systems** | CentOS 7/8 and Ubuntu |
| **Databases** | MySQL, Oracle DB |
| **Build Tools** | Maven, Gradle |
| **Cloud Services** | Amazon Web Services, Microsoft Azure |
| **Version Control/Repository** | Bitbucket, GitHub, GitLab and Azure Repository |
| **Scripting Languages** | Python, Bash, Groovy, YML |
| **Virtualization** | Docker, Kubernetes |
| **Command Line Editors** | Vim, Vi, Nano |
| **Test Tools** | SonarQube |
| **Web Technologies** | HTML, XML |
| **Monitoring Tools** | Cloud watch, Splunk, Dynatrace, ELK Stack |

**Certifications:**

Microsoft Azure Developer Associate certified.

Amazon Web Services Solutions Architect Associate certified.

Copado Certified Developer.

**Education:**

Masters in Computer Science from University of Central Missouri, United States.

**AmFam, Wisconsin US August 2022- Present**

**DevOps Engineer**

**Project:** AmFam, is an American private mutual company that focuses on property, casualty, and auto insurance, and also offers commercial insurance, life, health, and home owners coverage as well as investment and retirement-planning products. Daily millions of data will be getting ingested into the DB and I am part of DevOps Team to implement CI/CD technology.

**Responsibilities:**

* Involved in designing and developing Amazon EC2, Amazon S3, Amazon RDS, Amazon Elastic Load Balancing, Amazon SWF, Amazon SQS, and other services of the AWS infrastructure.
* Compile Java War files using Maven and JFrog Artifactory.
* Create Branches in Bitbucket and provide it to developers to check in the code.
* Participate in Sprint Meetings and PI Planning Events.
* Create JIRA stories, update the JIRA Stories and making sure that there is good progress in each sprint.
* Review Merge Requests to the respective branch.
* Install and Configure Jenkins, SonarQube, Jfrog artifactory
* Deployed and managed Azure resources using ARM templates and PowerShell scripts, ensuring the availability and reliability of cloud infrastructure.
* Designed and implemented scalable and secure Azure solutions, including virtual networks, storage accounts, and Azure Active Directory.
* Install Kubernetes Cluster using AKS.
* Install, Configure and Administer Docker and Kubernetes.
* Plan the projects for Sprints by gathering the requirements and assigning points in JIRA.
* Create Jenkins Jobs, pipelines and help the developers to deploy the code in the continuous integration platform.
* Conducted performance monitoring and troubleshooting using Azure Monitor and Log Analytics, ensuring optimal system performance and availability.
* Assisted in migrating on-premises infrastructure to Azure cloud, leveraging Azure Site Recovery and Azure Database Migration Service.
* Implemented ELK Stack for centralized logging and analysis of application and system logs, enabling efficient troubleshooting and monitoring.
* Configured and maintained Dynatrace for application performance monitoring and alerting, ensuring optimal system performance.
* Assisted in migrating on-premises applications to AWS cloud, utilizing services like AWS Database Migration Service and Server Migration Service.
* Developed and automated operational tasks using Python and Bash scripts, improving operational efficiency and reducing manual errors.
* Create YML Script to Implement Gitlab Pipeline and automate deployments.
* Participate on release and deployment calls.
* Manage AWS DEV and STG environments.
* Build Deploy and Manage Linux Servers in Dev, STG and PROD Environments.
* Work closely with developers to update Lamba functions in AWS.
* Provide OpenVPN access to the AWS DEV and STG for new joiners.
* Maintain the regular day-to-day operational activities in the environment.
* Amazon IAM service enabled to grant permissions and resources to users. Managed roles and permissions of users with the help of AWS   IAM.
* Configured AWS Multi Factor Authentication in IAM to implement 2 step authentication of user's access using Google Authenticator and AWS Virtual MFA.
* Design AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates
* Create and maintain highly scalable and fault tolerant multi-tier AWS and Azure environments spanning across multiple availability zones using Terraform and CloudFormation.
* Write terraform scripts from scratch for building Dev, Staging, Prod and DR environments.
* Developed and maintained CI/CD pipelines using GIT actions, Yaml, SonarQube, and scripting languages like Python and Bash.
* Designed testing approaches and implemented test automation for CICD templates to increase the efficiency and reliability of the pipeline.
* Developed automated test scripts using Python and Java for web applications and APIs.
* Deployed test automation in the CI/CD pipeline for continuous testing practices.
* Worked with build and deployment tools like Octopus, GitLab, etc., to automate the deployment process.
* Wrote Ansible Playbooks with PythonSSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances using Python
* Work with development and testing teams to come with a namespace capacity for applications to run on PAAS.
* Collaborate with development team to define architecture, optimize performance, and right size environments.

**Environment: CI/CD, Linux/Unix (Redhat), Python, shell, Maven, GIT, ANT, GitLab, Ansible, AWSELB, AWS SQS, AWS S3, AWS Cloud Formation Templates, TFS, AWS RDS, AWS Cloud Watch, Docker, Kubernetes.**

**Kohler, Bangalore IN June 2020- April’21**

**DevOps Engineer**

**Project:** Kohler is an American manufacturing company based in Kohler, Wisconsin. Kohler is best known for its plumbing products, but the company also manufactures furniture, cabinetry, tile, engines, and generators. Kohler also owns various hospitality establishments in the United States and Scotland. I was involved in administering the Salesforce Development Cloud platform and maintained Continuous Integration and continuous deployment pipelines.

**Responsibilities:**

* Responsible for executing deployments utilizing Copado across client Salesforce environments
* Own all client communication relating to deployments, DevOps status updates, and deliverable timelines
* Oversees application build, test, and deploy activities.
* Developed and maintained custom Salesforce applications, including Apex classes, triggers, Visualforce pages, and Lightning Components.
* Reviews, analyzes, evaluates, and documents business systems, process flows, and user requirements.
* Resolve DevOps-related issues and work closely with the developer team to remediate any blockers for a release.
* Manage releases according to the organization’s standards and adhere to timelines.
* Define release readiness criteria and ensure all changes meet criteria prior to deployment.
* Maintain documentation about DevOps practices and Copado application.
* Provide support to other teams utilizing Copado.
* Ensure consistency in metadata across environments in the Copado pipeline.
* Performed Release Management plans while working with multiple Project teams.
* Analyzed the builds using the PMD for Static Code Analysis and automated the code scan to check for any vulnerabilities.
* Automated Salesforce development workflows by creating custom Copado workflows, branching strategies, and environment configurations.
* Integrated Copado with Jenkins for automated build and deployment processes, including executing test suites and generating test reports.
* Conducted Copado training sessions for team members to enhance their understanding and utilization of the platform.
* Experience in configuring and deploying Lightning Community Sites.
* Experience in working with Salesforce Workbench for data migration and data loading activities.
* Automate the builds and deployment of JAVA projects using maven and Git Lab.
* Creating the snapshots for different environments expecting the disaster.
* Interact with developers and Enterprise Configuration Management Team for changes to best practices and tools to eliminate non-efficient practices and bottlenecks.
* Created and maintained user accounts, roles on Salesforce Community Cloud.

**Environment: CI/CD, SFDC, Salesforce DX, JIRA, Apex, Visualforce, Lightning Components, Salesforce APIs, Copado, Workbench, SOQL, Bit Bucket, PMD Code Scan.**

**Tech Mahindra, Bangalore IN August 2017- May’20**

**Software Engineer**

**Project:** Arcadia Limited is a UK based client. It has operations in over 10 countries and it is a retailer of fashion products such as  [clothing](https://en.wikipedia.org/wiki/Medical_thermometer) and fashion accessories. We work on providing the Retail solutions for the Organization.

**Responsibilities:**

* Automate infrastructure by using amazon web services and Microsoft azure. Deploy ansible to completely provision and manage AWS EC2 instances, volumes, DNS, S3, Azure VM, Azure Storage, Azure VMSS, Azure Virtual Network and Azure Load Balancer.
* Written Simple Ansible YAML scripts to configure the servers.
* Written Ansible YAML scripts that can store the credentials for various sandboxes and secured them on the remote servers.
* Designed and implemented end-to-end monitoring solutions using Splunk and Dynatrace for enterprise-scale applications.
* Implemented Infrastructure as Code (IaC) principles, leveraging Terraform to define and provision Azure resources and manage infrastructure changes.
* Collaborated with development teams to optimize application deployments, utilizing containerization with Docker and Kubernetes.
* Integrated Azure Monitor and Log Analytics for monitoring and alerting of infrastructure and application performance.
* Configuring the Docker containers and creating docker files for different environments.
* Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using GIT source control.
* Configured and maintained Git Lab to implement the CI process and integrated the tool with Maven to schedule the builds and automated the deployment on the application servers.
* Continuous Delivery is being enabled through Deployment into several environments of Test, QA, UAT, Pre-Prod and Production using Git Lab.
* Configured and fine-tuned Dynatrace monitoring agents to capture detailed application and infrastructure performance metrics.
* Analyzed the builds using the SonarQube and automated the code scan to check for any vulnerabilities.
* Automate the builds and deployment of JAVA projects using maven and Git Lab.
* Creating the Read Replicas for the RDS databases in the different region expecting the disaster.
* Interact with developers and Enterprise Configuration Management Team for changes to best practices and tools to eliminate non-efficient practices and bottlenecks.
* Created and maintained user accounts, roles on MySQL, production and staging servers.

**Environment: CI/CD, AWS, Azure, Jira, Git Lab, Docker, Kubernetes, MySQL, Maven, GIT, SonarQube.**

**6D Technologies, Bangalore IN Jan 2017–Aug 2017**

**Software Intern**

**Project:** 6D Technologies is a product-based company which works on Tele communications domain to develop several products for modern Tele communication Industry. It has operations in over 16 countries and it works on providing the Telecom solutions for several Telecom Organizations in various countries.

**Professional Experience:**

**Responsibilities:**

* Worked exclusively on making applications more scalable and highly available system in AWS (load balancing) with full automation.
* Setup and attached EBS volumes to EC2 instances
* Setup and configured EIP to EC2 instances.
* Setup and managed security groups, VPC specific to environment.
* Setup and managed backup and recovery using snapshot.
* Created AMI images of critical EC2 instances as backup using AWS GUI.
* Created S3 buckets and objects for storage purpose.
* Created Cloud Watch for monitoring the servers.
* Created SNS Topics for notifications.
* Created Containers for Testing purpose in Docker.
* Created Docker Files for customized Image.
* Created Playbooks Using Ansible.
* Established connection between ansible server and ansible clients.
* Created jobs using Jenkins.
* Worked on CICD pipeline in Jenkins.
* Write the YAML script for deployments of pods in Kubernetes.
* Created the Kubernetes cluster.

**Environment**:  **Red Hat Linux, Git, VPC, EC2, Route 53, S3, Cloud Watch, Ansible, Jenkins, Docker, Kubernetes.**