**Sai kiran**

**Sr. DevOps Engineer**

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# Visa: H1B

Location: New Jersey

# **Professional Summary**:

* Around 9 years of comprehensive experience in the areas of **AWS, Azure, Cloud, DevOps, Build/Release management, and Unix/Linux** Administration and development.
* Worked as DevOps Engineer in automating, building, deploying, Managing, and releasing of code from one environment to other environment tightly maintaining Continuous Integration (**CI**), Continuous Delivery and Continuous Deployment (**CD**) in multiple environments.
* Experience with DevOps essential tools like **Git, Jenkins, maven, Ant, Docker, Kubernetes, Chef, Ansible** and Linux/Unix system administrator with **RHEL, Ubuntu & Amazon Linux.**
* Efficiency using Docker as well as very capable of writing Docker files.
* Hands on experience with **AWS** services like **EC2, S3, RDS, VPC, ELB, EBS, Cloud Watch**, and **Auto scaling**.
* Build customized Amazon Machine Images (**AMI**), deploy **AMIs** to multiple regions and launch **EC2** instances using these custom images.
* Expertise on Power shell/Shell scripting with focus on DevOps tools, CI/CD, AWS Cloud.
* Proven ability to troubleshoot and resolve issues related to CI/CD pipelines using shell scripting techniques.
* Creating **EC2** instances with **Docker**.
* Hands-on experience on software containerization platforms like **Docker** and container orchestration tools like Kubernetes.
* Strong experience in installation, configuration, maintenance and troubleshooting of RedHat Linux, SUSE Linux, Ubuntu, Windows Servers and customizing the Kickstart and Jumpstart scripts to automate.
* Knowledge on Google Cloud Platform (**GCP**) for developers to build, host, store and deploy applications on Google’s highly scalable, reliable infrastructure for web, mobile and backend solutions.
* Use Kubernetes to deploy Docker containers into Pod Clusters on multiple Nodes in QA, Test and Production.
* Solid understanding of Python, Linux Shell and Perl scripting, UNIX, Windows, build and release engineering principles.
* Efficient in assigning desired configuration to the cluster services with the help of **KUBERNETES**.
* Expertise in **Jenkins** and pipelines to drive all microservices builds out to the Docker registry.

**Education:**

* Bachelors of technology In Information Technology(JNTUH), 2015

**Certifications:**

* AWS certified Devops Engineer
* Certified Kubernetes Associate

**Technical Skills:**

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|  | **Cloud** | **Scripting Languages** | **Build Tools** | **Versioning Tools** | **Databases** |
| AWS  MS- Azure | Python, Shell Scripting, Bash. | Jenkins, Maven,  Nexus, Ant,  Nagios, SonarQube | GIT, GIT Lab, Subversion, CVS, TFS, Bit Bucket, GIT Hub | MS SQL, Elasticsearch, Oracle 11g, MySQL, MongoDB, Cassandra. |

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| **Client: Quest Diagnostics**  **Role: Sr. DevOps Engineer March 2021 – Till Date** |

**Responsibilities:**

* Worked with an agile development team to deliver an end-to-end continuous integration/continuous delivery product in an open-source environment using Code Deploy, code commit, Bitbucket, code pipeline CloudFormation Templates, Lambda and Jenkins to get the job done.
* Worked with Groovy for compilation, collections, exception handling and declaring classes during syntax failures of builds.
* Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using Amazon EC2, Chef and custom Ruby/Bash scripts.
* Installing, configuring, and administering Jenkins CI tool on Linux machines and built Continuous Integration and Continuous delivery environment using Jenkins Groovy Scripting.
* Experience in technical information from sources such as design documents, wiki pages, GitLab repositories and vendor documentation for use in documentation activities.
* Coordinated and Engineered enterprise change management processes for DevOps using GitLab, Jenkins, Atlassian (Jira), Test rail (test management).
* Manage configuration of Web App and Deploy to AWS cloud server through Chef.
* Used Chef and other configuration management tools to deploy consistent infrastructure code across multiple environments.
* Designed and Developed Jenkins Build deployments on Docker Containers.
* Design and implemented VPC service for extension of customer & on-premises datacenter with AWS Cloud using AWS VPC and VPN and Direct connect services.
* Manage configuration of Web App and Deploy to AWS cloud server through Chef.

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| **Client: Neudesic**  **Role: AWS DevOps Engineer Dec 2018 – Feb 2021** |

**Responsibilities**:

* Experience with container-based application deployment with Docker, using tools with Docker compose, deployment large environments for testing and production purpose.
* Set up Kubernetes cluster for developer team and testing environments.
* Added a dashboard to Kubernetes cluster to visualize the basic metrics like CPU usage, POD status.
* Experience in creating Docker Files for Java based applications.
* Implement and using Istio services to drive the services over micro services deployment.
* Proficient with Docker and container orchestration with ECS.
* Used Python scripts to automate the Build and deployment process. Launching Amazon EC2 cloud instances using Amazon Machine Images for AWS cloud.
* Created configmaps for managing application properties. Worked on secrets to get images from private docker registry.
* Configured Puppet Configuration Management with specific client requirements such as Create user/remove user, Install/Remove packages, and package updates, configure multi nodes.
* Worked on automating task-using Puppet. Application as well as any upgrade to nodes were push through puppet and cloning it to GIT.
* Experience in working in Cloud Platform (AWS). Hands-on basic services like EC2, S3, ELB, RDS, EKS, and Route 53 etc.
* Involved in automation of CI/CD process for our application stack.
* Worked on setting up a Chef Workstation, bootstrapping various enterprise nodes and worked with Chef Cookbooks, Chef Recipes, Chef Attributes and Template.
* Involved in Chef-infra maintenance including backup/monitoring/security fix and on Chef Server backups.
* Manage configuration of Web App and Deploy to AWS cloud server through Chef.
* Responsible for automated deployment of java application in Tomcat Server using Chef scripts.
* Used Chef and other configuration management tools to deploy consistent infrastructure code across multiple environments.

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| **Client: Interas Labs, India**  **Role: AWS DevOps Engineer March 2015 – Nov 2018** |

**Responsibilities:**

* Installed and configured operating systems such as windows and Linux.
* Used CIS Red Hat Enterprise Linux 6 Benchmark to harden newly installed systems. Setup and administer user and groups accounts, setting permissions, web servers, file servers, firewalls, and directory services.
* Involved in monitoring and troubleshooting Network like TCP/IP, NFS, DNS and SMTP in Linux servers and System Activities like CPU, Memory, Disk and Swap space usage to avoid any performance issues.
* Designed and implemented creative solutions that improve system processes through automation and documentation.
* Extensively worked in setting up the enterprise infrastructure on Amazon Web Services (AWS) & EC2 instance, ELB, EBS, S3, Auto Scaling, AMI, RDS, Cloud Formation and Security groups, and Glacier for storage and backup on AWS.
* Used Ansible for application automatic deployment and provisioning to different environments.
* Worked with Chef attributes, Chef Templates, Chef recipes, Chef files for managing the configurations across various nodes using Ruby.
* Expedited Ansible playbooks which is the entry point for Ansible provisioning, where automation is defined through tasks using YAML format &amp; Run Ansible Scripts to provision Dev servers.
* Automated creation of immutable infrastructure (EC2, VPC, ELB, Auto-Scaling etc.) using Terraform.
* Extensively used Terraform in AWS Virtual Private Cloud to setup and modify settings by interfacing with control layer.
* Using Terraform as a tool, Managed different infrastructure resources Cloud, VMware, Bare Metal Servers, and Docker containers.
* Building/Maintaining Docker container clusters managed by Kubernetes, and Orchestration of Docker images and Containers using Kubernetes by creating entire master and node.
* Deployed a complete CI/CD pipeline for this project starting from development till the deployment using Jenkins and various other DevOps Open-Source tools and AWS services.
* Viewing and controlling the Processes running on the system and automating repetitive tasks. User Administration by creating, and maintaining User accounts and groups, setting up User environments.
* Configured and Administrated NFS Client/Server, Telnet and FTP.
* Worked with Docker and created Docker file and Docker-compose files to containerize CI/CD pipeline, created custom images and pushed it to Docker Hub.
* Experience deploying Infrastructure as a Code (IaaC) using Terraform and GIT Version Control.
* Installed Jenkins master, slave nodes, configure Jenkins builds for continuous integration &amp; delivery.
* Providing 24\*7 on-call support on rotation basis and Handling High priority incidents through bridge calls.