## T. V. SUDHEER KUMAR

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**Career Objective**

## Looking for a challenging role in a reputable organization to utilize my technical skills for the growth of the organization as well as to enhance my knowledge by working with High Performers.

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**Professional Summary**

* Software Professional with 3.7 years of experience in DevOps Environment, Amazon Web Services and Linux Environment.
* Working as **a DevOps Engineer** and supporting development teams in day-to-day tasks, making sure environments are available when required, automating deployments and providing infrastructure related input in daily meetings.
* Experience in managing source control repositories like **GIT** by creating new Repositories and creating user level credentials.
* Good Experience in Microservices Architecture**.**
* Experience in using Configuration Management tool like **Ansible**. Wrote many Playbooks for different modules to be configured remotely.
* Experience in cloud provisioning tools such as **Terraform.**
* Experience in Creating and maintaining highly scalable and **fault tolerant** multi-tier AWS environment spanning across multiple availability zones using **Terraform.**
* Experience in scripting languages including **YAML, Shell Scripting**.
* Extensive experience in using of **Maven** as build tools for the building of deployable artifacts (jar, war & ear) from source code.
* Good experience in the design and implementation of fully automated Continuous Integration, Continuous Delivery, Continuous Deployment pipelines and DevOps processes for Agile projects (CI/CD).
* Extensively worked on **Jenkins** for continuous integration and for End-to-End automation for all Build and Deployment.
* Created, tested and deployed an End-to-End**CI/CD** pipeline for various applications using Jenkins.
* Experience in setting up of **Docker** and creating new images and getting images from Docker Hub, worked on Docker images and containers for deploying applications.
* Worked on container orchestration tools like **Kubernetes.**
* Used **Kubernetes** to orchestrate the deployment, scaling and management of Docker Containers.
* Configured and Deployed application packages on to the **Apache Tomcat** server. Coordinated with software development teams and QA teams.
* Having hands on experience in **EC2, S3, ELB**, **VPC, Route 53, Cloud watch, IAM & Roles, Auto Scaling, Code Build, Code Pipeline.**
* Designed highly available, cost effective and fault tolerant systems using multiple EC2 instances, **Auto Scaling, Elastic Load Balance and AMIs**

**Professional Experience**

* Currently working as"DevOps Engineer" at Brunet info **Solutions Pvt Ltd.**

**Technical Skills**

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| --- | --- |
| **Operating Systems** | RHEL, Ubuntu, Windows |
| **Orchestration and Configuration Management Tools** | Terraform, Ansible |
| **ContainerizationTools** | Docker, Kubernetes |
| **CI/CD** | Jenkins |
| **Scripting** | Shell, YAML and JSON. |
| **Cloud Technologies** | Amazon Web Services: Elastic Compute Cloud (EC2), Simple Storage Services (S3), Virtual Private Cloud (VPC), Elastic Load Balancer (ELB), IAM Roles, Users, Profiles, Elastic IP’s, Route53. |
| **Version control Systems** | Git |
| **Build Tool** | Apache Maven |
| **Monitoring Tool** | CloudWatch |
| **Application server** | Apache Tomcat |
| **Artifactory Repository** | S3 Bucket, Nexus |

**Projects**

**Project #1**

**Title** : **Medco Health Solution**

**Client**  : Medco Health Solution –USA

**Role**  : DevOps Engineer

**Platform**  : DevOps, Cloud

**Responsibilities included:**

* Onsite Interaction for clarifying the incidents and analyzing the feasibility of issues.
* Designing and deploying AWS solutions using **EC2, S3, Elastic Load balancer (ELB), auto scaling groups,Code Build,Code Pipeline.**
* Setting up **EC2-Instances** and prerequisites on the instances for deploying the applications.
* Tracking and keeping all the automation scripts with the source code management tool ‘**Git’.**
* Performing the regular tasks that include cloning, pulling and pulling the repositories, branching and merging.
* Managing the working environments through configuration management tool **Ansible.**
* Writing several **Playbooks and Roles** for provisioning the machines in different environments and converting the static playbooks into roles.
* Used AWS Services like **Code Build** and **Code Pipeline** for Continuous Integration and Continuous Delivery of packages.
* Creating and maintaining highly scalable and fault tolerant multi-tier AWS environment spanning across multiple availability zones using **Terraform.**
* Creating fully automated CI build and deployment infrastructure and processes for multiple projects (DevOps and CI/CD).
* Developing scripts for build, deployment, maintenance and related tasks using Jenkins, Docker, Maven.
* Involved in setting up **Jenkins Master**and multiple slaves for the entire team as a CI tool as part of **Continuous development and deployment process.**
* Providing KT to developers, Testers and DB admins on how to run playbooks and how to modify them for specific needs.
* Experienced in container technology **Docke**r.Have built Docker images and written Docker files which can be used to automate all developer tasks.
* Used **EKS** for Kubernetes setup and Deployed **Pods** on to the Cluster.
* Used **Maven** as a build tool for the building of the deployable artifacts from the source code.
* Integrated **Jenkins** with various DevOps tools such as GIT, Maven, Junit, and Nexus and developed Jenkins jobs to automatically manage, test and deploy code and applications.
* Created, tested and deployed an End-to-End**CI/CD** pipeline for various applications using Jenkins.

**Environment**: AWS, Ansible, Jenkins,Terraform, GIT, Docker,Kubernetes.

**Project #2**

**Title : Balboa Insurance**

**Client :** Balboa Insurance company -USA

**Role :** DevOps Engineer

**Platform** : DevOps, Cloud

**Responsibilities included:**

* Coordinated developers with establishing and applying appropriate branching, naming conventions using **GIT**.
* Used **Maven** as a build tool for the building of the deployable artifacts from the source code.
* Integrated **Jenkins** with various DevOps tools such as GIT, Maven, Junit, and Nexus and developed Jenkins jobs to automatically manage, test and deploy code and applications.
* Created, tested and deployed an End-to-End**CI/CD** pipeline for various applications using Jenkins.
* Designed, installed and implemented **Ansible** configuration management system, written Ansible playbooks and deployed applications
* Used **Docker** to virtualize the servers for the Dev and Test environment needs.
* Developing chef cookbooks for managing the application/OS configuration files in Git Hub, integrating with Jenkins, and Verifying with Jenkins plugins, deploying the application in to the Linux environment.
* Installing and updating the Jenkins plug-ins to achieve **CI/CD**.
* Working on regular tasks comprising cloning and pulling the repositories, branching and merging.
* **User** and **Group** administration on Linux machines.
* Done Administration of remote machines through **ssh-key** based functions.
* Managing the user security through **sudo** privileges.
* Created and managed several **cron** jobs like backing up log files and configuration files.
* User administration and management like add/change/delete Maintaining **users**  
  level security.

**Environment**: AWS, Chef, Linux, Jenkins, GIT, Ansible, Docker.

**Declaration**

I pledge and pronounce that all the above information is true to best of my knowledge and I bear the responsibility for the correctness of above mentioned

**Place: Hyderabad T.V.SUDHEER**