



Raja Sekhar

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Career Objective:

To be able to work as a **DevOps Engineer** and build **release management, configuration management** in a whole new different environment where my skills in software Configuration Management and **Software Development Life Cycle** will be greatly challenged to meet the Company objectives.

Professional Summary:

- Having **5.1 years** of IT experience as **Cloud DevOps Engineer** with **Configuration Management and Release Management**.
- Expertise in Amazon AWS Cloud Administration which includes services like: **EC2, S3, EBS, VPC, ELB, AMI, RDS, IAM, Route 53, Auto scaling, Cloud Watch, Cloud Front, Cloud Formation, Security Groups**.
- Administration various environments in software development life cycle (SDLC) Having Good Experience on Build tools like **MAVEN**
- Experienced in using Build Automation scripting like MAVEN as build tools for building of deployable artifacts (JAR, WAR) from source code.
- Having Good Experience on **CI, CD** and **Pipeline** as code in **JENKINS**.
- Worked on web servers like **Apache, Nginx** and application servers like **Tomcat** to deploy packages.
- Worked on **Microservices** for Continuous Delivery environment using **Docker**.
- Experienced in containers using **Docker**.
- Experience in setting up CI/CD pipelines integrating various tools with Jenkins to build and run **Terraform** jobs to create infrastructure in **AWS**.
- Creation of Clusters for Load Balancing and to provide Failover Environment.
- Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/Ubuntu/RHEL) and Configuring launched instances with respect to specific applications.
- Managed access control and plug-ins installations, configured Distributed builds using **Master/slave** concept in **Jenkins** to achieve Continuous Integration and Delivery (**CI/CD**)
- Developed **Ansible Playbooks** to manage systems configuration.
- Experience in branching, tagging and maintaining the version across the environments working on Software Configuration Management (**SCM**) tool like **GIT**.
- Ability to build deployment, build scripts and automated solutions using scripting languages such as Shell scripting (Bash).
- Experience on orchestration tool **Kubernetes** to provide a platform for automating deployment, scaling and operations of application containers across clusters of hosts.
- **Kubernetes**: Cluster management, deployment, scaling, monitoring, and troubleshooting
- Good knowledge in **CI** (Continuous Integration) and **CD** (Continuous Deployment) methodologies.
- Excellent communication, team membership and relationship management skills.
- Worked with bug tracking tool like JIRA
- Strong ability to troubleshoot any issues generated while building, deploying in production support.

Technical Skills:

Version Control system	GIT
Build tools	Maven
CI/CD Tools	Jenkins, Argo CD
Containerization Tool	Docker
Configuration Management	Ansible
Cloud Platform	AWS
Application Servers	Apache Tomcat
Web Servers	Apache, Nginx
Operating Systems	Windows, Linux, Centos7
Database	MySQL
IAC	Terraform
Orchestration Tool	Kubernetes
Scripting Languages	Bash Scripting/Shell Scripting
Monitoring Tools	Prometheus, Grafana, CloudWatch

Educational Qualification:

- Graduated with a degree in Mechanical Engineering from NSRIT in 2016.

Professional Experience:

Working as Sr. DevOps Engineer at Applitech solution PVT LTD from September 2019 to October 2024.

Projects Summary:

Project: 3

Client	Macy's, US
Role	Sr. DevOps Engineer
Duration	April 2023 to Oct 2024
Environment	Maven, GIT, Jenkins, Bash Scripting, Tomcat, Linux, AWS Cloud, Ansible, Docker, Terraform, Kubernetes.

Roles and Responsibilities:

- Monitoring the **Microservices** applications
- Deployment of the version to **UAT** and **PROD** using **Jenkins/Git** etc.
- Solving the Incident and Problem tickets, using **HPSM** and **Service Now**,
- Actively driving and participating in the Root Cause Analysis and Resolution, interacting with other teams.

- Implementing **Jenkins** continuous integration tool including installing setting the jobs/plans and setting up the tool for deployment.
- Involved in installing **Jenkins** on a **Linux** Machine. And creating a **Master** and **Slave** Configuration to implement multiple parallel builds through a build.
- Developed **Terraform** Modules to Provision and Manage infrastructure resources on **AWS**, resulting in improving infrastructure stability.
- Worked on infrastructure with **Docker** containerization.
- Create the **Kubernetes** cluster by using **KUBEADM**.
- Implemented and maintained the knowledge base on the flows of Digital Architecture, **microservices applications**, common troubleshooting steps and improvements.
- Created triggers for efficient access control of the **GIT operations**, to involve operations before or after the execution of vital **GIT events**, to restrict or provide access to users.
- Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
- Worked on orchestration tool **Kubernetes** to provide a platform for **automating deployment, scaling and operations of application containers** across clusters of hosts.
- Converting Existing **Terraform** modules that had version conflicts to utilize **CloudFormation** during **Terraform** deployments to enable more control or missing capabilities.
- Create and Implemented change requests with approvals of stakeholders during off-hours to keep the continuity of software updates.
- Maintaining & Monitoring of **Dynatrace** Tool used across the platform to check the alerts trigger due to CPU load etc...

Project: 2

Client	Nutrisystem, US
Role	DevOps Engineer
Duration	Jan 2021 to March 2023
Environment	Maven, GIT, Jenkins, Bash Scripting, Tomcat, Linux, AWS Cloud, Terraform, Kubernetes, Ansible, Docker.

Roles and Responsibilities:

- Creating CI/CD pipelines by integrating **Git, GitHub, Maven, Jenkins, Ansible, and AWS (provisioning)**.
- Configuring of **VPC** with networking of **subnets** containing servers.
- Defined **AWS Security Groups** which acted as virtual firewalls that controlled the traffic allowed to reach one or more **AWS EC2** instances.
- Used **GIT** for source code version control and integrated with **Jenkins** for **CI/CD** pipeline, code quality tracking and user management with build tools **Maven**.
- Upgrading **Jenkins** and build triggers for jobs whenever the new commit occurs through webhook.
- Collaborated with Development and Support teams to setup a **CD (Continuous Delivery)** environment with the use of **Docker** continuous build and delivery tools.
- Worked on Multiple **AWS** instances, set the **security groups, Elastic Load Balancer** and **AMIs, Auto scaling** to design cost effective, fault tolerant and highly available systems.
- Creating snapshots and managing EBS volumes.
- Install, Configure and Administer **Jenkins** Continuous Integration Tool.
- Setup **Ansible Playbooks** to perform builds and deployment management.

- Provide stable build environments for product development.
- Creating the Kubernetes cluster and writing the manifest files and Service files.
- Involved in the release process and Deployed applications in Kubernetes Cluster.
- Scripting & automating tasks using **Bash scripting** for backup.

Project:1

Client	McGraw, US
Role	Associate Software Engineer
Duration	Sep 2019 to Dec 2020
Environment	Maven, GIT, Jenkins, Bash Scripting, Tomcat, Linux. AWS Cloud, Docker.

Roles and Responsibilities:

- Setting up the new build environment for various applications in Windows/**Linux** environment.
- Using **Maven** as a build tool, I could automate the process of building artifacts.
- Supported and helped to create dynamic views and **snapshot** views for end users.
- Implementing **Jenkins** continuous integration tool including installing setting the jobs/plans and setting up the tool for deployment.
- Involved in installing **Jenkins** on a **Linux** Machine. And creating a **Master** and **Slave** Configuration to implement multiple parallel builds through a build.
- Configuring, Troubleshooting and Monitoring build jobs in **Jenkins**
- Building various Jobs on servers in different environment like **QA, UAT, Pre-Prod.**
- Deploying **WAR** and **JAR** Application on targeted managed Servers by using Jenkins.
- Using **Git** as version Control System and Automating the Code from **GitHub** to **Jenkins**.
- Using **Nexus** for Artifact Repository Management and pushing the code from **Jenkins** to **Nexus**.
- Responsible for Supporting 24*7 for both Production and Non-Production Environment.

DECLARATION:

I, hereby declare that all the details furnished above are true to the best of my knowledge.

(Raja Sekhar)