**Naresh Kumar.R**

**Aws/DevOps engineer.**

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# Summary:

* Having around 6 + years of experience in IT industry with 3 + years of experience as AWS DevOps Engineer/Cloud Engineer.
* Experience in Amazon Web Services (AWS) Cloud services such as EC2, VPC, S3 IAM, EBS, RDS, ELB, Route53, Lambda, Cloud Watch, Auto Scaling.
* Having hands on experience in creating jobs and pipeline job in Jenkins.
* Knowledge in Migrating a production infrastructure into an AWS Cloud formation.
* Exposed to all aspects of Software Development Life Cycle (SDLC) such as Analysis, Planning, Developing, Testing and implementing and Post-production analysis of the projects and methodologies such as Agile, Scrum.
* Experience in configuring Docker Containers for Branching and deployed using Elastic Beanstalk.
* Experience in designing, installing and implementing Ansible configuration management system for managing web applications, Environments configuration Files, Users, Mount points and packers.
* Extensively worked on Jenkins by installing, configuring and maintaining the purpose of continuous integration (CI) and for End-to-End automation for all build and deployments and in implementing CI/CD for database using Jenkins.
* Experience in managing Deploy configuration, administration, upgrade, security and maintenance of systems, platform like web application.
* Experience in using build utilities like Maven for building of jar and war files.
* Experience in using version controller tools Git and GitHub.
* Automated processes with custom built Jason/Yaml & Shell scripts.
* Worked With monitoring tools like Grafana.
* Experience in installing and configuring web application servers Tomcat, JBOSS, Web Logic and Nginx for application deployments Unix/Linux.

# Technical Skills:

* Operation System : Linux, Windows
* Cloud Technology : AWS (IAM,EC2,VPC, Auto Scaling, Load Balancing,RDS,ROUTE53, S3, Cloud watch, Lambda, SNS, EKS)
* Containers Tools : Docker, Kubernetes
* Configuration Management Tools : Ansible
* Versioning Tools : Git, Git Hub
* CI Tools : Jenkins
* Build Tools : Maven
* Bug Tracking Tools : JIRA
* Scripting Language : Shell, YAML
* Monitoring Tool : Cloud Watch

# Professional Experience: (#2)

* IBM India Pvt Ltd (Aug 2018 – Till Date) Software Engineer /Devops Engineer

**Projects #1:**

Client : IBM India Pvt ltd.

Project : Loan banking services

Role : Software Engineer/DevOps Engineer

**Responsibilities:**

* Driving industry best practice implementation around CI/CD and infrastructure management.
* Written manifests to customize the Ansible as per our environment.
* Manage the configurations of multiple servers using Ansible.
* Integrated the Ansible playbooks with Jenkins.
* Having good exposure in Jenkins for CI (Continuous Integration).
* Administered version control system that included branching and merging.
* Responsible for creating and developing the build process environment.
* Hands on experience in Amazon Web Services (AWS) provisioning and good knowledge of AWS services like EC2, Elastic Load-balancers, S3, RDS, Route53, IAM, Elastic Search.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and configuring launched instances with respect to specific applications.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
* Hands-on in writing the Docker files for building images.
* Containerizing applications with Docker
* Responsible for managing the Docker private registry.
* Participate in building the DevOps Platform with DevOps tools and high end scripting languages like Chef.
* Developing build and deployment pipelines using Jenkins, Maven for Java applications
* Strong working knowledge on GIT, SVN.
* Configuration management software like Chef. Performed infra automation tasks using Chef.
* Experience in build management and continuous integration tools. (Jenkins)

**Projects #2:**

Client : IBM India Pvt ltd.

Project : Integrated Customer Platform (ICP)

Technology : GIT, Jenkins, Maven, AWS, Docker

Role : Associate software Engineer

**Description:**

Sentinel EMS is a web based Licensing and [Entitlement Management](https://sentinel.gemalto.com/software-monetization/sentinel-entitlement-management/) system that enables software developers and device manufacturers to maximize revenues and streamline business operations. The Sentinel platform includes out-of-the-box interfaces for license generation, activation, tracking, reporting, and back-office integration and customer self-service portals.

**Roles & Responsibilities:**

* Software Configuration management (Build and continuous Integration using Maven, Jenkins &GIT.)
* Creating branches and tags on Git repository and provided braches access permission to dev team.
* Creating CI/CD pipelines by integrating Git, GitHub, Maven, Jenkins Monitoring Tools and AWS (provisioning).
* Creating War / Ear files using Maven.
* Installed Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Responsible for creating Builds and Deployments Planes.
* Hands on experience in installing and administrating CI tools like Jenkins and GIT, Environments: Linux, Jenkins, Docker, GIT, Tomcat Server, Apache Server, Chef, AWS Guidelines and published the reports.
* Based deployments to Amazon–EC2.
* Responsible for taking the source code and compiling using Maven and package it in its distributable format, such as a Jar, War, Ear.
* Perform Build activities using Maven and Jenkins tool.
* Automate the build Process Using Jenkins jobs.
* Upload Build artifacts into Amazon S3 location.
* Worked on Jenkins tool to configure Nightly Builds to check sanity of our java source code.
* Written Chef Cookbook, recipes to automate installation of Middleware Infrastructure like Apache Tomcat, JDK and configuration tasks for new environments etc.
* Experience working on Docker hub, creating Docker images and handling multiple images primarily for middleware installations and domain configurations.
* Design and create automated Build and Deployment process.

**Professional Experience: (#1)**

* Lotus InfoTech solutions. (OCT 2015 – JUL 2018) Linux Administrator

**Responsibilities:**

* Proactively maintain and develop all Linux infrastructure technology to maintain a 24x7x365 uptime service
* Engineering of systems administration-related solutions for various project and operational needs
* Maintain best practices on managing systems and services across all environments
* Fault finding, analysis and of logging information for reporting of performance exceptions
* Proactively monitoring system performance and capacity planning
* Manage, coordinate, and implement software upgrades, patches, hot fixes on servers, workstations, and network hardware
* Create and modify scripts or applications to perform tasks
* Provide input on ways to improve the stability, security, efficiency, and scalability of the environment
* Collaborate with other teams and team members to develop automation strategies and deployment processes

# Declaration

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

# Education:

* B Tech in EEE (Electrical & Electronics Engineering.) from BVC Engineering College , JNTU Kakinada.

Place :

Date : (R Naresh Kumar)