**SNEHAL RAMESH SANDRI**

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**PROFESSIONAL SUMMARY**

* An IT professional with 4.2 years of strong Experience in DevOps Infrastructure, Build & Release and Configuration Management on Unix/Linux and AWS environments.
* Implemented a CI-CD pipeline involving Jenkins, Docker and AWS to complete the Automation from commit to Deployment..
* Experience in Branching, Merging, Tagging and maintaining versions across the environments using SCM tools like Subversion (SVN), GIT (GitHub, GitLab) and Bitbucket.
* Experience in using build automation tools like MAVEN for building of deployable artifacts such as WAR, JAR & TAR from source code.
* Experience in using CI tools like Jenkins, Hudson & Bamboo for automation of builds.
* Have good knowledge in installing, configuring and administering Jenkins Continuous Integration tool on Linux servers along with updating plugins such as SVN, GIT, Maven, NPM.
* Experience in Implementation of Continuous Integration through Jenkins & Deployment using Ansible.
* Experience working with Sonar/SonarQube a code quality control tool for continuous inspection.
* Proficient in Build & Release automation framework designing, Continuous Integration and Continuous Delivery, Build & release planning, procedures, scripting & automation.
* Good Knowledge in bash (Shell), Groovy and exposure to Python scripting.
* Experience is using Apache and Nginx web servers and application servers like Tomcat, Websphere for deployments.
* Experience with Docker and Kubernetes for different infrastructure setups and testing of code.
* Experience with Configuration and Maintenance of Automation tools like Ansible.
* Having good Experience with Ansible for transferring and running the modules with the help of SSH based systems and writing playbooks for server configuration.
* Involved in writing various custom Ansible Playbooks for deployment orchestration and developed Ansible Playbooks to simplify and automate day-to-day server administration tasks.
* Used Ansible to manage web applications, environment configuration files, users, mount points and packages.
* Automated application deployment to web/application servers in cloud using Docker containerization technology and generate artifacts.
* Docker containerization, building Docker images at root of the repository, configuring the Docker containers and creating Docker files for different environments.
* Build Complete Infrastructure using Terraform script.
* Created Terraform scripts to move existing on-premise applications to cloud, used Terraform templates along with Ansible modules to configure EC2 instances.
* Experience in deploying, migrating, replicating relational, NoSQL databases such as Oracle, MySQL, Postgress and MongoDB.
* Experience in working with collaboration tools like Jira, Confluence, Slack.
* Experience in installing and administrating monitoring tools such as Splunk and monitoring, logging of these systems running on cloud(s) and on premise.
* Designed, configured and managed public/private cloud infrastructures in Amazon Web Services (AWS).
* Experience in configuring Network services such as DNS, NFS, SMTP, NTP, DHCP, SQUID, postfix, send mail, ftp, remote access, security management and Security trouble shooting skills.
* Team player with excellent interpersonal skills, self-motivated, dedicated and understanding the demands of 24/7 system maintenance and has good customer support experience.

**TECHNICAL SKILLS:**

* **Operating Systems:** Ubuntu CentOS, Mac OS, WINDOWS XP/7/8/10
* **Version Control Tools**: Subversion (SVN) 1.6.x, Perforce, GIT, Bitbucket
* **CI & CD Tools:** Jenkins 1.9.x/2.4.x, Hudson, Bamboo, Rundeck 2.0.x
* **Bug Tracking Tools**: JIRA 6.x, Confluence and slack
* **Container:** Docker, Compose, Kubernetes and Terraform
* **Monitoring:** Splunk 5.0.x/6.0.x, Datadog
* **Code coverage tools:** Sonar/SonarQube 3.4.x
* **Configuration Mgmt. Tools:** Ansible 1.9.6/2.2.x.x, Chef, Puppet 3.2.x
* **Scripting:** Shell, Python, Ruby
* **Web/Application Servers:** Tomcat, Apache, Nginx, Websphere
* **Build Tools**: Maven 3.3.x, NPM
* **Cloud Platforms**: Amazon web services, Azure

**EDUCATION:**

Bachelor of Engineering (BE) in Electronics and Communication Engineering from BAMU, Maharashtra.

**Work Experience:**

**Sun Icon systems Pvt. Ltd.**

**ROLE:** Cloud & Devops Engineer

**RESPONSIBILITIES:**

* Worked as a DevOps Engineer for a team that involves three different development teams and multiple simultaneous software releases.
* Built S3 buckets and managed policies for S3 buckets and used S3 bucket and Glacier for storage and backup on AWS.
* Configure, monitor and automate Amazon Web Services as well as involved in deploying the content cloud platform on Amazon Web Services using EC2, ECS, Elastic Beanstalk, S3 and EBS.
* Installation, Configuration and Management of RDBMS and NoSQL tools such as DynamoDB.
* Created S3 buckets and maintained and utilized the policy management of S3 buckets and Glacier for storage and backup on AWS. Developed a notification system using LAMP, PHP, MVC and Amazon Web Services.
* Involved heavily in setting up the CI/CD pipeline using Github, Jenkins, Maven, Nexus, Chef, Python, Docker and AWS. Configured an AWS Virtual Private Cloud (VPC) and Database Subnet Group for isolation of resources within the Amazon RDS Aurora DB cluster.
* Used Kubernetes for automated deployments, scaling and management of containerized applications across clusters of hosts.
* Utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, test, and deploy.
* Experience in creating notifications and alarms for EC2 instances using CloudWatch.
* Coordinated with developers for establishing and applying appropriate branching, labeling/naming conventions using Subversion (SVN) and GIT source control.
* Responsible for design and maintenance of the Git Stash Repositories, views and the access. Used automated code check-outs in Git and created branches.
* Built scripts using ANT and MAVEN build tools in Jenkins to move from one environment to other environments. Configured GIT with Jenkins and schedule jobs using POLL SCM option.
* Responsible for installing Jenkins master and slave nodes and configure Jenkins builds for continuous integration and delivery.
* Used Jenkins, Build forge for Continuous Integration and deployment into Tomcat Application Server.
* Created Docker images using a Dockerfile, worked on Docker container snapshots, removing images and managing Docker volumes.
* Utilized Configuration Management Tool Chef and created Chef Cookbooks using recipes to automate system operations. Docker Containerization of cloud based applications.
* Written Chef Cookbooks for various DB configurations to modularize and optimize product configuration, converting production support scripts to Chef Recipes and AWS server provisioning using Chef Recipes.
* Involved in build and maintain Highly Available secure multi-zone AWS cloud infrastructure utilizing Chef with AWS Cloud Formation and Jenkins for continuous integration.
* Strong understanding of infrastructure automation tooling using Docker and Chef.
* Extensively experienced in Bash, Perl, Python, Ruby scripting on Linux.
* Built and maintained ElasticsearchLogstash, Kibana stack to centrally collect logs that are used to monitor applications.
* Managed AmazonRDS for backups, software patching, automatic failure detection, and recovery.
* Installed, monitored and configured Applications in Nginx and Apache Tomcat Server and establish connectivity to databases and troubleshoot issues on the fly.
* Pipelined Application Logs from App Servers to Elasticsearch (ELK Stack) through Logstash.
* Managed Elastic Cloud Computing (EC2) instances utilizing auto scaling, Elastic Load Balancing, and Glacier for our QA and UAT environments as well as infrastructure servers for GIT and Chef.

**Environment:** Git, SVN, Maven, Ant, Jenkins, Chef, Tomcat, Jira, Application Servers, Apache Tomcat, ELK, Agile/Scrum, SDLC, Windows, Docker,Kubernetes, Nginx, AWS EC-2, Route 53, S3, VPC, ECS, Elastic Beanstalk, SQS, Autoscaling, ELB, Shell Scripts, Python, Campaign Packaging Tool, Unix/ Linux environment.

**ROLE:** System Admin

**RESPONSIBILITIES:**

* Analyzing system logs and identifying potential issues with computer systems.
* Applying operating system updates, patches, and configuration changes.
* Installing and configuring new hardware and software.
* Adding, removing, or updating user account information, resetting passwords, etc.
* Answering technical queries and assisting users.
* Responsibility for security.
* Responsibility for documenting the configuration of the system.
* Troubleshooting any reported problems.
* System performance tuning.
* Ensuring that the network infrastructure is up and running.
* Configuring, adding, and deleting file systems.
* Ensuring parity between dev, test and production environments.