

SREENATH REDDY

Email-Id : bspmreddy@gmail.com
Role : **AWS & DEVOPS ENGINEER**

Mobile: **+44 7307969911**
LinkedIn: <https://www.linkedin.com/in/sreenathreddy5/>

PROFESSIONAL SUMMARY

- Accomplished, Self-driven and result-oriented professional with 3.5+ years of experience in IT industry. A Cloud DevOps Engineer in AWS, configuration management, infrastructure automation, Continuous integration and Delivery (CI/CD)
- Knowledge in AWS (Amazon web services) services like Amazon **EC2, AMI, S3, ELB, RDS, VPC, Cloud watch, SES, API Gateway, Route53, Lambda, and Cloud Formation.**
- Extensive experience using AWS CLI commands to manage EC2 instances, S3 buckets, IAM users and roles, and CloudFormation stacks. Developed and implemented shell scripts and batch files to automate AWS CLI tasks.
- Implemented multiple CI/CD pipelines as a part of DevOps role for on-premises and cloud-based software using Jenkins, Docker, Ansible and AWS
- Worked extensively on monitoring and setting up new build jobs, plug-ins installations, and distributed builds using master/slave and administration activities.
- Experience in setting multiple scans, for instance Sonar for static source code analysis, Fortify to SAST and DAST, Nexus IQ for opensource scanning.
- Experience in writing Ansible playbooks with roles to provision the servers, deployments in Virtual Machines and writing infrastructure as a code (IaC) in **Terraform, AWS** resource management & AWS cloud Formation. Created reusable Terraform modules in **AWS** cloud environments.
- Experience in using MAVEN as build tools for building of deployable artifacts (jar, war & ear) from source code.
- Using Nexus and Jfrog as an Artifactory management for maven developed Builds.
- Experienced in configuring continuous and daily builds, creating Deployments, and publishing latest builds to development and QA teams.
- Coordinate with the Development/Test Teams to receive the correct versions of re-usable and dependent components for issuing/installing successful builds and making it ready for the Release on time.
- Good knowledge on container-based deployments of Micro-services using Docker and Kubernetes.
- Used Kubernetes to container orchestrate the deployment, scaling, and management of Docker containers.
- Expert in creating Docker files, Docker images & containers Docker hub, installation and configuring Kubernetes and clustering them.
- Experience in Kubernetes to deploy scale, load balance and manage Docker containers.

TECHNICAL SKILLS

Cloud Platform	AWS
Operating System	Linux, macOS, windows
SCM	Git, Bitbucket, etc.
Build Tools	Maven, Gradle
CI	Jenkins
Configuration Management	Ansible, Ansible Tower
Infra as Code	Terraform
Monitoring Tools	Nagios, Grafana, ELK
Scripting Languages	Shell, python
Container Platform	Docker, K8S
Web Technologies	HTML, CSS, Bootstrap
Programming Languages	R, Java
Scanning tools	Sonar, Nexus
Container technology	Docker
Container Orchestration	Kubernetes(K8S)

PROJECTS EXPERIENCE

Project Name: Live Pilot

(Feb 2022 – Present)

Client: **Seagate Technology**.

Environment: AWS, Maven, GIT, Jenkins, Ansible, Docker and Kubernetes.

Roles and Responsibilities:

- Involved in designing and deploying multiple applications utilizing almost all **AWS** stack (Including EC2, S3, AMI, Route53, RDS, SNS, SQS, IAM) focusing on high- availability, fault tolerance, and Auto-Scaling in **AWS** Cloud Formation.
- Maintaining the user accounts IAM Roles, Route 53(CNAME), VPC, RDB, DynamoDB, SQS & SNS services in **AWS** cloud.
- Used Docker & **Jenkins** to manage micro services for development of continuous integration and continuous delivery.
- Managed **Maven** environment by setting up local, remote and central repositories with required configuration in **maven** configuration files.
- Used **Ansible** as Configuration management tool to automate repetitive task.
- Experienced in Docker container, writing Docker files, Docker compose, Docker network, private **Docker** repo.
- Using **Jenkins** as **CI/CD** pipeline along with the Developers team.
- Written the bash scripts to clean up workspaces.
- Migrated the Docker images from one host to another host.
- Worked on various migrations of Docker volumes.
- Developing **Docker** images to support development and testing team and their pipelines.
- Configuring and enabling the SonarQube through **Jenkins** pipeline jobs.
- Extensively involved in infrastructure as code, execution plans, resource graph and change automation using **Terraform**. Managed **AWS** infrastructure as code using **Terraform**.

Project Name: Robert Bosch Application services.

(April 2021 – Jan 2022)

Client: **Robert Bosch**

Environment: Maven, GIT, Jenkins, Ansible, SonarQube, Nexus, AWS S3.

Roles and Responsibilities:

- Provide **AWS** cloud infrastructure support.
- Communicating build plan and build failures with developers.
- Analysing Bugs and coordinating with Dev/QA teams.
- Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications.
- Performed Linux systems patch management configurations on Amazon EC2 instances.
- Implemented **CI/CD** using **Jenkins** & Docker.
- Creating and managing s3 buckets to store data.
- Worked on configuration management and containerization solutions such as
- **Ansible** & Docker.

Project Name: Firmenich.

(Aug 2018 – Nov 2019)

Client: **Cignex Datamatics**

Environment: Build and Release Engineer

Roles and Responsibilities:

- Helped individual teams to set up their repositories in Git, Maintain their code and helped them setting up jobs which can use CI/CD environment.
- Created customized AMIs based on existing AWS EC2 instances.
- Implemented AWS solutions using EC2, Elastic Load Balancer and Auto scaling groups
- Setup and Managed EBS backup and recovery using Snapshot.
- Involved in deployment of the application using Tomcat.
- Automated of tasks which seems to be manual and save efforts through Ansible playbooks.
- Created the Ansible roles to setup the infrastructure components in required environment

Trainee

Roles and Responsibilities:

- Changing the Makefiles, compiled the code on Linux OS and resolved the compile time issues,
- Created RPM packages to deploy on target machine
- Involved in code migration from Unix to Linux platform

- Perform Deployment of ear, war files using Shell scripts.
- Established processes and tools to maintain code base integrity, including check-in validation rules and branch/merge processes.

CERTIFICATIONS

- Certified as an AWS Solutions Architect – Associate
- Certified as a Salesforce Administrator