

**Swaroop R Mallige**

Professional Summary:

**Summary:**

DevOps Engineer with 5+ years of experience in IT Sector in build engineering and release management process, building and deploying applications by adopting DevOps practices such as Continuous Integration (CI), Continuous Delivery and Continuous Deployment (CD) in runtime with various tools like Jenkins, Git, GitHub,, Docker, Kubernetes, Terraform, Shell/Bash and managing cloud services with AWS.

* Proficiency in **Linux, Windows Server** and scripting languages like **Bash**.
* Expertise of **Source Code Control** (Version Control System) tools like **Git.**
* Rich experience in developing and maintaining **Continuous Integration/Delivery** pipelines.
* Expertise with continous integration tools like Jenkins, **Aws DevOps** and **Github Actions**.
* Major experience with cloud providers, like **AWS .**
* Good knowledge and experience of observability tools like **Prometheus and Grafana.**
* Extensive experience of Infrastructure as Code (Programmable Infrastructure) and configuration management by using tools like **Terraform**.
* Hands-on experience of software containerization platforms like **Docker** and container orchestration tools like **Kubernetes.**
* Hands-on experienceof **Helm** - Kubernetes package manager.
* Mastery and experience of AWS services like **EC2, S3, SQS, Cloudfront, VPC, ALB, NLB, Lambda and Cloudwatch.**
* Experience in using **maven** build tool for building deployable artifacts (**jar, war & ear**) from source code.
* Experience in implementing backup and disaster recovery strategies by using application in different region and AZ’s
* Hands on experience in documenting the process etc.
* Experience on provisioning the IAC infrastructure including many resources in multiple environments like testing, staging etc.

**Key Technical skills:**

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| **Operating Systems** | Windows, Ubuntu, |
| **SCM Tools** | Git |
| **CI/CD Tools** | Aws DevOps, Github Actions and Jenkins |
| **Configuration Management Tool/IAC** | Terraform |
| **Container & Orchestration Tool** | Docker, Kubernetes |
| **Build Tool** | Maven |
| **Monitoring Tools** | Prometheus and Grafana. |
| **Log Monitoring** | ElasticSearch, Fluentd/LogStash |
| **Application Server** | Tomcat |
| **Scripting** | Bash |
| **Cloud Environment** | AWS IAM, VPC, EC2, EBS, S3, Lambda, ELB, Auto Scaling, Route 53, Cloud Front, Cloud Watch, SNS, EBS(elastic bean stack), code commit, code pipeline, code deploy, RDS |

Education:

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| **Degree** | **Board / University** | **Score** | **Year of passing** |
| B.E in Computer Science | Visweswara Technological University | 6.1 CGPA | 2020 |

**Professional Experience:**

**Project 1**

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| **Project Name** | Onelogin |
| **Project Description** | Creating the pipeline for build, deploy and test and deploying the services into Kubernetes Cluster. |
| **Roles & Responsibilities** | * Standardization of CICD * Build, Test and deploy the application into different environment. * Service deployment by updating the the yaml manifest and deplying the same in cluster. * Provisioning of instance in cloud environment with the implementation of auto-scaling and Load Balancing. * IAC with Terraform – provisioning the aws infrastructure using terraform and managing cloud resources such as EC2 instance, VPC’s security groups S3 buckets, RDS databases etc. * Creating S3 buckets and also managing policies for S3 buckets like encryption and bucker versioning. * Creating dynamodb table for state locking. * Allocating the resoures and limits to the services in the manifest files and deploying. * Monitoring the resources using the monitoring tolls like prometheus and Grafana * Documenting the process. |
| **Technologies** | AWS Cloud , Docker, Jenkins, Python, Github, Kubernetes. |

**Project 2**

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| **Project Name** | Mach1 |
| **Project Description** | Building a pipeline and deploying the same and creating a aws resources using IAC platform. |
| **Roles & Responsibilities** | * Configuring the pipeline to trigger on code changes. * Integrating Jenkins with docker and projects git repository. * Writing docker files for the microservices in applications based on the requirements. * Use of Jenkins to automate the build and run the Docker container. * Use of terraform to build the aws infrastructure. * Creating multiple workspace and environment and importing the resources and building the new infrastructure. * Ensuring the application can scale effectively based on the traffic demands. * Ensure scalability of the underlying infrastructure by configuring auto-scaling for EC2 instances using AWS Auto scaling groups. * Implementing backup and disaster recovery strategies by making use of multiple availability zones. * Ensuring the infrastructure and application are secure by implementing least-privilege security using IAM roles and policies in AWS |
| **Technologies** | AWS Cloud, Jenkins, Docker, Github, Terraform |