

Swamireddy Theepireddy.

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Devops Engineer

Expertise in **DevOps, AWS.**

PROFESSIONAL SUMMARY:

- **Around 6.5 years of experience on DevOps, Build & Release and Cloud Infrastructure.**
- Having a good understanding of supporting cloud environment.
- Knowledge on cloud infrastructure such as IAAS, PAAS and SAAS on AWS.
- Hands-on experience on **AWS** services like **Amazon EC2, S3, Route 53, RDS, Elastic Load Balancing, CloudFront** and other services in AWS.
- Hands-on experience in implementing containerization platforms using **Docker and Kubernetes.**
- Build and release apps written in languages like **JAVA, Node js, Angular.**
- Having a good understanding of micro services architecture to create loosely coupled architecture by decoupling different components.
- Involved in creating multiple containers-based images provided by the developer and managing them in Prod and Non-Prod Environments.
- Involved in configuring **CI/CD with Docker and Kubernetes.**
- Hands-on experience on using different **Docker** components like Docker Engine, Daemon, Docker Compose, Docker Swarm and Docker Machine.
- Hands-on experience on using different **Kubernetes** components like Kube Proxy, Cluster, Namespaces, Replica Sets, POD, DNS etc..
- Created quality gates in SonarQube dashboard and enforced in the pipelines to fail the builds when conditions not met.
- Deep experience with AWS components such as EC2, S3, Elastic IPs, EBS, Security Groups, Route 53, VPC, ElastiCache, Elastic Beanstalk, RDS, Auto-Scaling etc..
- Experience in administration of MS SQL server and MySQL in **cloud platforms.**
- Hands-on experience with source code control systems conflicts on **GIT.**
- Extensive experience on Maven Deployment Life Cycle and configuration with **Jenkins/Bitbucket.**
- Hands-on experience in Manual and Automation build using **Maven, Node, Jenkins/ Bitbucket.**

- Have Hands on experience in writing **Shell, Yaml** and **Groovy Scripts**.
- Experience in building WAR,JAR and EAR using **MAVEN** and **Node js apps using Npm** and **Yarn**.
- Participated in Bug review meetings and Release Builds to target environment servers.
- **Build websites** and **Design** new features for **existing websites** using **WordPress**.
- Carrying out deployments and cut over processes during the new releases
- Maintain the team Working Agreement and **Definition of Done**.
- Manage all aspects of the **End- to-End** release process.
- Provide feedback and corrective actions after every release.
- Extensive experience on Building the final release delivery.
- Managing successful deployment to weekly release to Prep ROD and PROD servers.
- Extensive experience on Build, deliver and maintain required testing environments.
- Hands on experience in using Problem management and change management.
- Good debugging skills have provided result-oriented solutions to my team.
- Excellent analytical and problem-solving skills.
- Having good knowledge in Blue green deployment in reducing downtime and risks in production.
- Strong Interpersonal communication skills.
- Able to work in a fast paced environment and to meet deadlines.
- Good Team Player and have great attention to detail.
- Able to learn new technologies, concepts and business processes quickly and efficiently.

TECHNICAL SKILLS SUMMARY:

- Operating Systems : Unix/Linux, Windows
- Cloud : AWS,
- Build Tools : Maven, Node, NPM, Jenkins
- Source Code Management : GIT, Gitlab, Bitbucket
- Web and Application servers : Tomcat, Nginx, Apache HTTP Server
- Scripting Languages : Shell, Yaml
- Configuration Management tools : Ansible
- Databases : MySQL, MongoDB, RDS
- Tools : Terraform, SonarQube, HashiCorp Vault, Workbench, Jira, Slack
- Container Tools : Docker, Kubernetes
- DNS Hosts : Godaddy, AWS Route 53,

ACADEMIC SUMMARY:

- B.Tech in Computer Science Engineering from Christu Jyothi Institute of Technology & Science, JNTU Hyderabad (2013).
- Master of Technology from JNTU Hyderabad(2015).

CAREER CHRONICLE:

Company: Onpassive Technologies

Duration: January 2021 to till date

Role : Sr. Devops Engineer

- **Environment:** AWS, Docker&Docker-compose, Bitbucket, Node, Java, Linux, Nginx, Tomcat, Jenkins, EKS, Ansible, shell, yaml, Jira.

Company: Polaris India Pvt ltd.

Duration: Feb 2019 to Dec 2020

Role: :Devops Engineer.

Company: swipesumo Technologies Pvt.Ltd.

Duration: Dec 2017 to Jan2019

Role : Build&Release Engineer.

Devops:

Roles & Responsibilities:

- Manage the standardization of tools and processes used to achieve DevOps
- Responsible for global support of applications running in staging and production environments.
- Experienced with developing and managing the code using the Version control systems like Git etc.
- Developed and maintained Groovy scripts to automate repetitive tasks and streamline workflow processes, resulting in significant time and cost savings.
- Experienced with Continuous Integration tools like Jenkins, Gitlab and GOcd and also proficient in pulling the code from Git repository.
- Experienced with built tools like Maven and Node (NPM).
- Experience with Configuration Management tools like Ansible.
- Implementation of Software Delivery and Asset Management.
- Experienced with Monitoring tools like Nagios, ELK and Cloud watch.
- Experienced With Containerization and Virtualization in Docker.
- Standardizing the automation process of Operating System Installation Management.
- Handling the configuration consistency across all the nodes of a Real Application Clustering environment.
- Good programming knowledge, hands-on experience with Machine Learning frameworks, libraries, agile environments and deploying machine learning solutions using DevOps principles and providing best practices and running proof-of-concepts for automated and efficient model operations on a large scale

- Manage a group of highly motivated and highly skilled operations engineers who are responsible for Site Reliability and Production Deployment.
- Partner with Engineering and other operations groups in managing and building a highly scalable and reliable cloud infrastructure.
- Effectively respond to Monitoring alerts, incident tickets, email requests coming in to Hosting Ops group

AWS:

Roles & Responsibilities:

- Understand client requirements, proposesolutions and ensure delivery.
- **Experience with EC2 Auto Scaling, EBS, S3, ELB, CloudFront, Cloud Watch Elasticache and other AWS Services.**
- **Bundle Instances - EBS & Instance store based, Snapshot of EBS.**
- Experience of designing and developing comprehensive Cloud Computing solutions on the AWS platform.
- Architecture design with scalability and performance as primary objective.
- Implementing AWS Infrastructure services (IAAS) like EC2, VPC, ELB, EBS, S3, RDS, and CloudFront.
- Building and provisioning infrastructure automation using **Terraform**.
- Write **terraform** scripts for building Dev, Staging, Prod and QA environments.
- Knowledge of Cloud Computing Architectures, Networking Topologies and Clustering techniques.
- Setting up new server (EC2) instances/services in AWS, configuring security groups, and setting up Elastic IPs.
- Hosting Web applications on S3 and serving through Cloudfront.
- Monitoring health of Amazon EC2 instances and other AWS services.
- User management e.g. creating and managing users in Redshift, S3 etc.
- Managed hosted zone and domain naming service using Route53.
- Help customers build scalable, resilient, and high-performance applications and services on AWS.
- Designing Auto scaling architectures for applications.
- Automate provisioning and repetitive tasks using **Terraform** and **Python**.
- Develop/capture/document architectural best practices for building systems on AWS.
- Custom monitoring metrics/analysis/alarms via Cloud Watch.
- Proficient Database administration in Cloud platform.
- Configuring security groups and grouping the servers depending on the applications.
- Enabling and disabling of inbound and outbound ports of security groups using AWS GUI
- Managing snapshots of Amazon EBS volumes or images of EBS backed EC2 instances manage backup sets with retention handling, or create snapshots and images (AMIs) with build artifacts Designed and led development of cloud automation using DevOps methods and tools for continuous development like Puppet, Jenkins continuous development, Powershell, Python, Javascript, and Unix/Linux scripting
- Worked in close collaboration with the Development Teams, Product Management, Enterprise Architects, Operations, Executives and Finance teams to achieve the optimum performance low cost solution
- Interfaced with teams on-site and remotely with collaboration technology: Office 365,

Microsoft Exchange, Outlook, Skype, Unified Messaging, IBM Connections, etc.

- Versed with various DBA tools like MySQL, Workbench, Oracle and MS SQL
- Proficient in Studio Management for MS SQL Data base.
- Managed cloud deployment migrations of Windows, UNIX, and Linux servers with standardized reusable operating system ISO images
- Designed distributed platform integrating databases, applications, web services, and content delivery networks across multiple cloud providers, geographic locations (national and international) for availability, redundancy and performance
- Architect cloud implementation of WordPress content management system (CMS) for authoring and web publishing with a continuous deployment hybrid cloud implementation to a global content delivery networks
- Documented a journal of Cloud Decisions and results to highlight architecture and technology decisions, business decisions, issues and challenges for a rapidly evolving and dynamic cloud platform.

Date: 7th July 2024.

Place: Hyderabad.

T.Swami Reddy.

