

Subba Reddy S

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DevOps engineer with 9+ Years of IT experience in Automation, Build and Deployment Process, Developing DevOps solutions, System Administration, Configuration Management, Continuous Integration, Continuous Deployment, Release Management and Cloud Implementation.

Technical DevOps Skills:

- **SCM & IaC Tools:** SVN, GIT, Bitbucket, GitHub, RTC, ANT, Maven, Nexus, Jenkins, TeamCity, JIRA, SonarQube, Octopus, Ansible and Terraform.
- **Cloud Platform: Amazon Web Services (AWS):** EC2, S3, ECS, ECR, EKS, VPC, ELB, Cloud Watch, Elastic Bean Stalk, Auto-Scaling, IAM Roles, Route53 AWS DevOps.
- **Container Platform:** Dockers, Docker Swarm, Docker Compose, Kubernetes, Harbor and Rancher, Minikube, Kind.
- **Application Server:** WebLogic, Tomcat and Apache.
- **Scripting/Languages:** Shell Scripting, Python.

Professional Synopsys:

- Over **9+ years of IT experience as Devops Engineer** in automating the build and deployment process, configuring and monitoring the multiple environments.
- Strong experience with Version Control Systems like **GIT, SVN** and **Rational Team Concert**.
- Strong knowledge on source controller concepts like **Branches, Merges and Tags**.
- Experience with installation and configuration of **Docker** environment including **Docker Compose, Docker Stack & Harbor Image registry** for managing different Docker images.
- Implemented a production ready, load balanced, high-available **Kubernetes** infrastructure on AWS and on-premise.
- Strong experience on monitoring the K8S environment and applications using **EFK, Prometheus and Grafana**.
- Configuring and managing Ingress Controllers and objects on Kubernetes.
- Good exposor on **Amazon Web Services (AWS) including AWS EC2, VPC, Security Groups, Target Groups, ELB, S3, ECS, ECR, EKS, Cloud Watch, elastic beanstalk**.
- Automated the process of installation, configuration of the Kubernetes servers and web application servers using **Terraform and Ansible**.
- Expertise in configure and maintain of Continuous Integration with **Jenkins, TeamCity, Maven and Ant**.
- Having good experience on auto deployment tool like **Octopus**.
- Extensively worked on Jenkins for **continuous integration** and **Continuous Delivery** for End to End automation for builds and deployments.
- Experience in **WSO2** API Manager and IS for designing APIs, and designing and implementing access management.
- Expert in deploying the code through **Middleware application servers, Apache Web Server and Apache Tomcat**.
- Experience with **Nexus repository** manager for sharing artifacts and to speed up the build process.
- Worked on **SonarQube** setup and configured code coverage using **cobertura** and **Jacoco**.
- Experience with **shell/batch** and **Python** scripts to automate release/build process and environment maintenance.
- Good understanding of **DevOps processes and agile development**.
- Efficiently Managed **Linux, Windows servers** and all aspects of daily operations.
- 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.
- Supporting Oracle Database deployment automation via Liquibase and Jenkins Flyway plugin.

Educational Qualification:

- Master of Computer Applications (MCA) from Osmania University.

Professional Experience:

- Working as a DevOps Engineer in Capgemini from Nov 2019 to till now.
- Worked as a DevOps Engineer in Accenture from Oct 2015 to Oct 2019.
- Worked in IBM India Pvt Ltd from Mar 2013 to July 2015.

Current Project #1: Access Platform (SEI), Capgemini

Key Responsibilities:

- Creating fully automated CI/CD pipeline infrastructure and processes for multiple project modules.
- Designing and implementing container orchestration systems with Kubernetes on AWS and On-prem.
- Troubleshooting issues related to Kubernetes Servers as well as build and deployment issues.
- Refactoring of monolithic applications to a Microservices and Component based architectures.
- Creating and maintaining Kubernetes secrets and ConfigMaps.
- Responsible for creating and maintaining Kubernetes manifest files using Helm charts.
- Involved in tech R&D of DevOps solutions by integrating various open source tools.
- Responsible for providing DevOps solutions and infrastructure on cloud and On-prem to multiple projects.
- Create and maintain high-availability and fault tolerant multi node Kubernetes cluster using Terraform.
- Installing, configuring and administrating Ingress setup and performing basic validation of applications.
- Responsible for creating and maintaining the Branching, labeling and merging strategy on Bitbucket.
- Implemented a Continuous Delivery framework using Bitbucket, TeamCity, Jenkins, octopus and Kubernetes tools.
- Actively working on container deploying and maintaining Micro services in Dev & QA environment.
- Developing the shell scripts and python script to automate the build, deployments and environment maintenances tasks.
- Working with a team of architectures, backend developers to gather functional and non-functional requirements.
- Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management.
- Developed build & deployment scripts using shell scripts and pipeline scripts. Automated the process using plugins available in Jenkins and move from one environment to other throughout the build pipeline.
- Create, manage, and delete users and groups as per the request using Amazon Identity and Access Management.
- Monitoring each service deployment, and validating the services across all environments.
- Collaborate with team to support the development process by integrating the tools and methodologies such as Jenkins, Git/GitHub, Maven, SonarQube, Artifactory, Jira and AWS DevOps

Project #2: Accenture Products and Platforms (Reach – AHSS), Accenture

Key Responsibilities:

- Developing DevOps solutions like build and deploy automation, installing and configuring configuration management tools.
- Configured and maintained Jenkins to implement the CI/CD process and integrated the tool with Ant and Maven to schedule the builds and automated the deployment on the application servers using Jenkins.
- Coordinating with the Development team to fix the Build/Deployment related issues.
- Configuring the Docker containers and creating Docker files for different environments.
- Designing and implementing container orchestration systems with Docker Compose and Kubernetes.
- Designing and configuring Kubernetes high availability cluster using kubeadm on premises & KOPS on AWS.
- Setup and build AWS infrastructure resources, VPC, EC2, S3, IAM, EBS, ECR, EKS, Route53, Security Group, Auto Scaling, and RDS.
- Setup monitoring tools like ELK/EFK and Prometheus in Kubernetes cluster.

- Written Terraform resources/modules to automate provisioning the Kubernetes cluster environment on on-premises & on AWS.
- Responsible for creating and maintaining the Branching, labeling and merging strategy on Git.
- Coordinate/assist developers with establishing and applying appropriate branching, merging conventions using GIT source control.
- Efficiently Managed and administration on Jira, Jenkins and Git/Gerrit tools.
- Developing scripts for build, deployment, maintenance related tasks using Python and Bash.
- Configure code quality tool Sonar, code coverage tool JaCoCo and integrate with Jenkins for CI/CD process.
- Managed the Maven Repository using Nexus tool to automate the build process and used the same to share the snapshots and releases of internal projects.
- Implementing and publishing service APIs and routing in WSO2.

Project #3: Vodafone Italy – CCBS_Picasso_BAU, IBM India Pvt Ltd

Key Responsibilities:

- Monitoring and administration on CVS and SNV repository.
- Jenkins Implementation and management experience.
- Weblogic server administration for Picasso and 190 web applications.
- Daily build, deployment and configuration activities using Subversion, RTC, Jenkins, Ant, Weblogic.
- Installing, configuring and administrating Middleware application servers and performing basic validation of applications.
- Ensure successful execution of nightly builds.
- Daily activities include Build and deployment of Picasso and 190 web applications on various environments like Dev, QA and preproduction's web application servers.
- Weblogic server administration for CCBS web applications
- Software alignment activities on different environment.
- Code merging and conducting the merge audit report.
- Setting up new projects and migrating existing source code repositories to RTC and SVN from CVS.
- Worked on Linux environments and Microsoft Windows server environments.
- Written Maven and Ant scripts for build automation and deployment for various applications.
- Written shell scripts to automate the day to day activities and maintaining the various environments.
- Analyze build problems and work with developers to resolve problems.
- Created release notes and versioning.
- Sending Build status email communication of global teams.
- Understanding Java EE application architecture, application servers and n-tier architectures.

Declaration:

I hereby declare that the above information is true and correct to the best of my knowledge.

Date:

Place: