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# BHAVADEEP ARANI

## ABOUT ME

A highly motivated Dev-Ops professional with 8+ years of experience in DevOps, Build & Release and Software Configuration Management which includes Environment Setup, Build Automation, Continuous Integration and Continuous Deployment CI/CD, SCM process improvements and Deployments (both Standalone and Web applications), along with knowledge on AWS Cloud.

## TECHNICAL EXPERIENCE

### DEVOPS

- Having around 8 Years of Experience as a “DevOps/Build & Release Engineer” for Java Based Web Applications
- Having good knowledge in implementation of CI/CD
- Experience in developing and maintaining CI/CD process for SaaS applications by accessing tools like Maven, Jenkins, etc.
- Hands on experience in using configuration management tools like Chef, Ansible etc.
- Good Experience in writing the Playbooks
- Worked in creating Kubernetes cluster for Staging, QA & UAT environments
- Deployed images in pods using Ansible playbooks
- Automated deployment process from Jenkins to Kubernetes Cluster.
- Develop and maintain an advanced platform to manage Kubernetes clusters lifecycle

### TERRAFORM

- Good knowledge in writing Terraforms for AWS Environment Provisioning.
- Created Terraform for AWS Services EC2,S3,VPC,ECS,ECR,EKS,RDS,CloudWatch.
- Created Terraform for storage account creation with Private endpoint
- Good knowledge in Terraform modules
- Written custom modules for Terraform in Databricks cluster setup.
- Having knowledge in writing Terraform for IAM custom policy
- Written Terraform for enable KMS key in AWS S3 bucket.

### AWS

- Good experience on Amazon Web Services (AWS), Creating EC2 Instances and configuring all necessary services.
- Good understanding of AWS Architecture.
- Creating load balancer (ELB,ALB,NLB)
- Creating and managing VPC, Subnet and Security groups.
- Creating and managing files and policies in S3 bucket (Simple StorageService)
- Creating and providing IAM access to the users.
- Up scaling and attaching new EBS volumes
- Implementing AutoScaling.
- Written terraforms for infrastructure creation in AWS cloud.
- Good knowledge in AWS services EC2,VPC,Cloudwatch,ELB,ECS,EKS

## WORK HISTORY

### 1). PROFESSIONAL SERVICES ENGINEER, GITLAB, REMOTE

September 2019- Present

#### Roles and Responsibilities:

As a Professional Services Engineer, I work closely with end customers in setting up their infrastructure using GitLab as a product and create CI/CD pipelines and automate most of the build related tasks. Provide technical training sessions, develop and implement migration plan for customer VCS & data migration

#### Other Official Responsibilities:

- Involved in creating the customer's DevOps strategy in a mix environment of Linux (RHEL, Centos) servers along with creating and implementing a cloud strategy based on Amazon Web Services.
- Experience in setting up CI/CD pipeline manually and AutoDevops procedure.
- Integrating GitLab with Jenkins, Jira and K8 clusters
- Migrating projects from GitHub to GitLab
- Responsibilities include developing complex build, test, provision, secure and deployment systems and providing support to a large community of developers and testers.
- Worked on Branching and Merging, Resolving & Maintaining Branching strategy using GIT.
- Develop scalable build, test and deployment systems in virtualized environments and Conduct DevOps Process Planning.
- Responsible for design and maintenance of the GIT, views, and the access control strategies.
- Using Amazon IAM console to create custom users and groups
- Setting up Chef Infra, Bootstrapping nodes, creating and uploading recipes, node convergence in Chef SCM
- Setting up the chef repo, chef work stations and chef nodes
- Working with data bags, attributes, cookbooks, recipes and templates in Chef
- Setting up the virtual private cloud network in AWS.
- Experience in implementing and maintaining Replica servers and Docker containers

### 2). SENIOR SOFTWARE ENGINEER, NAGRAVISION, BENGALURU

February 2019 – September 2019

#### Roles and Responsibilities:

- Working closely with Perforce clients and make them understand about the workflow.
- Providing access privileges to users in Perforce, Jira, Jenkins, P4Swarm & Jfrog Artifactory.

- Managing and administrating multiple instances of Perforce Software Configuration Management System, including the physical server hardware and operating environment, as well as the Perforce software.
- Installing and configuring server software, as well as necessary proxy and other peripheral software.
- Installing and configuring Replica server like Read-Only-Replica, Forwarding-Replica, Build-Farm Replica.
- Building packages for respective teams using Jfrog artifactory and IST build methodology
- Managed the Maven Repository using Nexus tool and used the same to share the snapshots and releases of internal projects.
- Writing Maven and Ant build tools for application layer modules.
- Used ANT and MAVEN as a build tools on java projects for the development of building artifacts on the source code.
- Integrated GIT into Jenkins to automate the code check-out process.
- Building large infrastructure for disaster recovery and multi datacenter strategy.
- Perform daily code build and monitor CI builds, troubleshooting and optimizing the build process.
- Virtualized the servers using the Docker for the test environments and dev-environments needs and configuration automation using Docker containers.
- Worked in DevOps group running Jenkins in a Docker container with EC2 slaves in AWS cloud configuration.
- To achieve Continuous Delivery goal on high scalable environment using Docker tool.
- Resolving merging issues during build and release by conducting meetings with developers and managers.
- Worked on migration from Manual deployments to fully automated deployments by using Jenkins for automation.
- Used JIRA tickets for assigning the tasks on priority basis to the individuals and the work flow was updated in the tickets including the work log.

### **3). TECHNICAL CONSULTANT, LYRA INFOSYSTEMS, BENGALURU**

February 2015 – February 2019

#### **Roles and Responsibilities:**

- Creating repositories/projects for users in SVN and Perforce and provide access permissions to users.
- Using version control management tools in creating Replica or Proxies for high availability.
- Experience in upgrading current version to latest release.

- Customizing the backup procedure in order to maintain and secure repositories.
- Creating War/Ear files using Ant and Maven.
- Resolved build related issues.
- Deployment of packages on Web logic servers.
- Worked with Development teams and Testing team to establish a build schedule, execute the builds and troubleshoot build failures.
- Extensively worked on Gitlab from installing, configuring and maintaining for the purpose of continuous integration (CI) and for the end to end automation for all build and deployment procedure.
- Extensively worked in creating Jenkins CI/CD pipelines and automated most of the build related tasks.
- Configure Jenkins jobs for nightly and milestone builds.
- Performing deployments to multiple environments like Dev, QA, PER, UAT and Production environments.
- Configuring and updating the servers using configuration management tools like Chef.
- Used AWS services like EC2, S3, EBS, IAM, VPC and terraforms.
- Setting up Chef Infra, Bootstrapping nodes, creating and uploading recipes and cookbooks, node convergence in Chef SCM.
- Virtualizing servers on AWS using the Docker and creating the Docker files and control them.

#### **4). SOFTWARE ENGINEER, TATA CONSULTANCY SERVICES, BENGALURU**

June 2012 – February 2015

##### **Roles and Responsibilities:**

- Perform Build and deployment activities as per Build calendar.
- Involved in SVN Administration.
- Maintain ANT Build and Install scripts
- Setup of electric cloud for continuous integration Build process.
- Involved in the release process and deployed applications (WAR, EAR and JAR) to the Tomcat.
- Perform deployments on different environments like Dev, Staging and Production environments
- Responsible for Maintaining/Administration of SVN Version control tool.
- Running and monitoring nightly builds in all Unix platforms.
- Writing ANT build scripts.
- Hudson for continuous integration Build process.
- Identify root cause, and resolve problems.
- Monitor builds and provide proactive support to resolve any build issues.
- Involved in the build environment setup and documented the build procedures

## TECHNICAL SKILLS:

Ticketing tool	Service now, JIRA, RTC
Development Environment	Linux
Code quality	SONAR
Artifacts storage tool	Nexus
Server	Red Hat Satellite server
Change Management Tool	ITSM (information technology service management)
Build Tool	Maven
Continuous Integration	Jenkins, GitLab
Deployment Tools	CHEF, RunDeck, Ansible
Containerization Tool	Docker
Cloud Environment	Amazon Web Servers
Version Control System Tools	SVN, GIT, Perforce
Operating Systems	Linux, Windows, Centos, Ubuntu, RedHat

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## EDUCATION

**B.Tech , Sreenivasa Institute of Technology, 2011**

Jawahar Lal Nehru Technological University, Andhra Pradesh

**Higher Secondary, Royal Victory Junior College, 2007**

AP Intermediate Board, Andhra Pradesh

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## LANGUAGES

ENGLISH, HINDI, TELUGU, TAMIL, KANNADA

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## LINKEDIN PROFILE

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