

Balaji Shari
DevOps Engineer (AWS)

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Extensive experience & technical skills in providing support environment & effective solutions that positively impact customer satisfaction and operational costs.

Motivated and dedicated individual seeking an environment that encourages continuous learning and provide exposure to new ideas, personal and professional growth in the area of Configuration Management and Operations.

Professional Summary

- Having 12+ years of experience in overall IT, Coming to the Devops 5 Years of experience with Maven, Git, GitHub, Jenkins, Docker, Ansible, AWS and Kubernetes.
- Working experience in continuous integration using Git, GitHub, Maven, Jenkins and Ansible.
- Working experience in continuous delivery, Infrastructure automation using Jenkins, Docker & Kubernetes.
- Deploying the scalable & high available web solutions in AWS cloud infrastructure using the EC2, Auto Scaling, Elastic Load Balancer and S3 Bucket.
- Hands on experience in configuration management tools like Ansible, Jenkins, Docker.
- Performed installation & configuration of Tomcat app server & Apache Web server.
- Responsible for Creating and maintaining builds and Administering Jenkins and Involved in Deployment related activities.
- Good experience in Amazon Web Services (AWS), Creating EC2 Instances and configuring all necessary services.
- Working experience on operating systems like Windows, Linux, Unix etc.
- Monitoring with New-Relic and Cloud Watch metrics and setting Alarms.
- Knowledge on AWS services: ELB, EFS, VPC, Route53, Auto Scaling, IAM, AMI, S3, Security Group.
- Hands on experience on Creating Dockerfile, Docker Images and Containers. Creation of custom Docker images, tagging and pushing the images.
- Knowledge of Kubernetes cluster creating, managing and deployment.
- Hands on experience in Configuration Management Tool Ansible for the deployment with playbooks.
- Knowledge of software release engineering concepts and configuration management.
- Administration/Maintenance experiences of continuous integration build engines, Such as CI-CD tool like Jenkins.
- Hands on experience to support for multiple environments and as well as communicating with different teams.

Technical Skills:

- | | | |
|-----------------------------------|---|-----------|
| • Configuration Management | • | • Ansible |
| • Continuous Integration | • | • Jenkins |
| | • | |
| • Version Control | • | • Git |

• Build Tools	:	• • MAVEN, ANT
• Cloud Platforms	:	• • AWS, Azure.
• Package Management	:	• • Nexus, JFrog.
• Issue Tracking	:	• • JIRA, SonarQube
• Virtualization	:	• • Docker
• Operating Systems	:	• • Linux (Red Hat), Ubuntu, CentOS, Windows and Unix
• Databases	:	• • MySql, PostgreSQL, RDS.
• Programming Languages	:	• • HTML, Shell script, and Python.
• Web & Application servers	:	• • Tomcat and Apache.
• Monitoring Tool	:	• • Nagios, New-Relic, Prometheus, Grafana
• Centralise Log monitoring	:	• • Cloud watch, New-Relic.

WORK EXPERIENCE

Working as DevOps Engineer

Technologic solutions pvt ltd- June 2019 to Present

Environment: Red Hat Linux, Jenkins, GitHub, AWS, Docker, Ansible, Maven, Tomcat, Apache, New-Relic.

Accountabilities:

- Good Experience with Amazon Web Services (AWS) creating, configuring EC2, IAM, S3 services.
- Hands on experience Web Servers Apache and performing application deployment operations in TOMCAT.
- Responsible for building, maintaining and improvising CI-CD pipelines for the automation of application deployments using Jenkins.
- Worked on building and deploying java code through Jenkins.
- Used Jenkins tool to automate the build process.
- Used Ansible Playbooks to setup Continuous Delivery Pipeline.
- Experience in using version control tools like GIT, Git hub.
- Hands on experience with Web servers Apache, and performing Application deployment operations in TOMCAT.

- Hands on experience in automating CI/CD pipeline using Jenkins tool.
- Configuring SSH.
- Having good experience in Ansible.
- Created Docker images by writing Dockerfile and created containers.
- Configuring IAM roles and managing according to RBAC.
- Experience in Configuration Management Tool Ansible for the deployment with playbooks
- Monitoring the Dashboards and alerts triggered with the help of different monitoring tools and fine tuning alerts on New-Relic.

Client : Vodafone India

July 22 – Till date

Role : DevOps Engineer

Responsibilities:

- Working with developers to understand project requirements and help create application environment and on-boarding new projects.
- Experience with container based deployments using **docker**, working with docker images, packaging artifacts(jar, war, python libs, gem ..) and configuration files using Maven. Writing dockerfile, create deployment script(yaml) to deploy to cloud environment.
- Create/build, (pre-PROD and PROD) containerized deployment scripts, software release pipeline and **CI/CD infrastructure** to support the SearchAds ad product that was launched across 40+ countries. Supporting 300+ developers on site.
- Worked with image snapshots, attaching to a running container, removing images, managing director structure and managing containers.
- Configured monitoring services using Splunk and integrated applications to it
- Experienced in Artifacts management : Maintain local repo on artifactory for on- premise rpms(s), jar(s). maintain remote repository serves as a caching proxy for three parties artifacts (gem, pip, maven, jcenter...). maintain docker registry for images. Writing up auto-housekeeping tasks using bash/python scripts and automation jobs to maintain daily operations.
- Created the naming strategy for branches and labels and involved continuous integration (**CI**) system with **GIT** version control repository and continually build as the check-in's come from the developer.
- Developed test scripts in **Selenium** Web Driver using **Java**.
- Maintained and developed infrastructure using **Ansible**, **Jenkins**, and multiple **AWS tools**.
- Used **Ansible** Tower, which provides an easy-to-use dashboard and role-based access control, so that it's easier to allow individual teams access to use Ansible for their deployments.
- Worked on container deployment on Hashi Corp stack -**Nomad and Consul Cluster**.
- Experienced in Application deployment using docker, supervisor, nomad into consul clustering.
- Experienced in writing git hooks.
- Infrastructure setup in **AWS** and **Azure** using **Terraform**
- Experienced in using Artifact Repository for gradle builds.
- Completely handled migration activities from Teamcity to **Jenkins**

- Debug and resolve multiple build errors on Teamcity/Jenkins on a daily basis and also any deployment errors.
- Built and Deployed **Java/J2EE** to a web application server in an **Agile** continuous integration environment and automated the whole process.
- Worked on **Ansible Playbooks** and **Ansible Tower** to automate repetitive tasks, to deploy critical applications quickly, and proactively manage the changes.
- Developed automated rollback deployment on Staging/Production server. Purpose is to undo previous deployment in database, properties files and war files changes.

1. **Environment:** Gradle, Maven, Teamcity, Jenkins, Nomad, Ansible, Shell Script, Python, SVN, GIT, AWS, Linux, Docker and Kubernetes.

Client: PWC

Duration: Sep 21- May 22

Role: Aws/DevOps Engineer

Responsibilities:

- Developing the deployment & delivery pipelines in Jenkins using groovy-based DSL and integrating it with various Dev-Ops tool such as Git, Maven, Jenkins, Nexus, Ansible, SonarQube, Selenium, for ensuring code quality during continuous delivery.
- Developing AWS arn in JSON and YAML to automate orchestration and the environment provisioning on cloud to maintain the stability of the applications on each environment.
- Developing Python and Bash scripts for DNS routing & networking to perform post deployment activities on production and trigger the calls to specific target hosts and APIs to retrieve the metadata from the logs and attach to release notes.
- Automated the deployment process by writing Perl, Python scripts in Jenkins.
- Automated the cloud deployments using Ansible, Python and AWS Cloud Formation Templates.
- Administering build & deployment activities for on-premises and cloud applications to troubleshoot critical build & production deployment issues.
- Implementing CICD strategies using Agile methodology by integrating various DevOps tools in the pipelines (Git, Azure Repo, Maven, Jenkins, Nexus, UCD, Ansible, AWS-VM, IAM, Terraform, Autoscaling, Docker, Kubernetes) with Python, YAML, Groovy & Go scripting languages for automation of cloud & on-premises applications.
- Working knowledge of web and application server's management and configuration (e.g., Load Balancers, Nginx, Apache)
- Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes
- Deploying and managing applications on docker containers using docker images written in Dockerfile, and Kubernetes clusters, hosted on cloud using Kubectl and for inspecting the cluster resources to create, update and delete components.
- Developing Terraform scripts in JSON for configuring the resources, application packages and for building, changing & versioning the infrastructure services to provide the monitoring alarms on cloud and on-premises environments.

- Created different dashboards based upon the level of user and this was integrated with the customer care support UI.
- Troubleshooting any build issue and work towards the solution.
- Creating Ansible playbooks & roles from scratch and integrating them into Jenkins jobs for continuous delivery framework to automate the deployment process into infrastructure as code strategy.

Environment: Aws, Git, Pipeline, Artifacts, Traffic Manager, Maven, Jenkins, Nexus, JFrog, Terraform, Ansible, Docker, Kubernetes, Shell Scripting, Python, Nginx, Tomcat, JIRA.

Client : UHG

“Jan 21 – Aug 21”

Role : Jr DevOps Engineer

Responsibilities:

- Worked with various services of AWS: **EC2,ELB, Route53, S3, RDS, IAM, Cloud Watch and Cloud Formation.**
- Created monitors, alarms and notifications for EC2 hosts using **Cloud Watch.**
- Designed AWS **Cloud Formation templates** to create custom sized **VPC**, subnets, **NAT** to ensure successful deployment of Web applications and database templates.
- Implemented and designed AWS virtual servers by **Ansible roles** to ensure deployment of web applications.
- Implemented & maintained monitoring & alerting of production and corporate servers using **Cloud Watch.**
- Collaborate in the automation of AWS infrastructure via **Ansible**, and Jenkins - software and services configuration via **Ansible Playbooks.**
- Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack Monitoring using **Ansible playbooks** and has integrated Ansible with Jenkins.
- Initiated responsibility for administering the **SVN** and **GIT** servers which included install, upgrade, backup, adding users, creating repository/branches, merging, writing hooks scripts, performance tuning, troubleshooting issues and maintenance.
- and maintain thousands of virtual machines using Docker and UNIX skills.
- Successfully migrated the old Jenkins to **New Jenkins** on a different **VPC**, provided solution for all the hurdles in migration.
- Installed and configured **Jenkins** for Automating Deployments and providing a complete automation solution.
- Represented our team in the Production war room and worked on high priority and severe defects with minimal time frame.
- Setup **Infra Cloud Functions in AWS** using **Terraform.**
- Worked in a group running Jenkins in a **Docker** container with **EC2** slaves in Amazon AWS cloud configuration. Also gain familiarity with surrounding technologies like **Kubernetes.**
- Automated the Applications and MySQL container deployment in **Docker** using **Python** and monitoring of these containers using **Nagios.**

- Used **Nagios** as a monitoring tool to identify and resolve infrastructure problems before they affect critical processes and worked on Nagios Event handlers in case of automatic restart of failed applications and services.
- Installed, configured the **Nexus** repository manager for sharing the artifacts within the company.
- Deployed built artifacts to WebLogic application server using **MAVEN**.
- Experience in monitoring System/Application Logs of server using **prometheus** to detect Production issues.

Environment: Aws, Maven, Jenkins, Ansible, Shell Script, Python, GIT, GCP AWS, Linux, Docker and Kubernetes.

Client : Walt Disney
Role : Deployment engineer

Aug 19' – Dec' 20

Responsibilities:

- Developed installer scripts using **Maven**, **Python** and UNIX for various products to be hosted on Application Servers.
- Troubleshoot Build and Deploy Issues, with little downtime.
- Organize and Co-ordinate Product Releases work closely with product development, QA, Support across global locations to ensure successful releases.
- Implemented **Ansible** to deploy the builds for **Dev**, **QA** and **Production**.
- Build scripts using Maven build tools in **Jenkins** to move from one environment to other environments.
- Install, Configure and Administer **Jenkins** Continuous Integration Tool.
- Implemented Continuous Integration and Continuous deployment using various CI Tools like Jenkins and **Sonatype Nexus**.
- Parse the Application and System logs using Python and PowerShell for all business applications to proactively monitor and trace errors with automated **email alerts** to various teams internally.
- Automated Continuous Build and Deploy Scripts for Jenkins **Continuous Integration** tool.
- Configured and Implemented **Aws Cloud** platform such as Virtual Networks Multi-site, Cross-site, VMs, Load Balancers and Cloud Services.
- Work with application development and operation teams using a variety of automated testing and build, and deploy tools (**Maven**, **Nexus**, **Jenkins**, **SVN**, **Selenium**, and **JUnit**) to resolve issues with transition to new DevOps solution.
- **Branching**, Tagging, **Release** Activities on Version Control Tools like **SVN** and **GIT**.
- Member of the Technical Design team, Build and Release Module for Development of new products.
- Documented **release metrics**, software configuration process

Huawei Telecommunications, Hyderabad-Telangana.
Deputy Manager– Operations Department

since Nov'16 to May'2019

- Acting as Zonal Operations Manager for Hyderabad.
- Handled team size of 30 (direct) +20 (Indirect) employees.
- Overall in charge for Hyderabad region for Operation/after sales/services/customer complaints etc....
- Monitoring KPIs, achieving targets, setting new goals.
- Worked in Operations department & Project dept.
- Expert in MS Excel, word.
- Conducted sudden audit at field visit to check filed team following rules & tools.
- Knowledge of rolling out deliveries and ensuring that Implementation resources are properly allocated and these resources fulfill their task & not overburdened.
- Client interface to ensure that the project results fulfill the specified requirements.
- To ensure that all the contractual obligations and regulations are met.
- Work in close coordination with Client management team & ensure all the issue/risk are addressed before time.
- To ensure regular progress meetings are held and meet with the Client.
- To ensure that costs and revenues are in accordance with budget and contract respectively.
- Building team competency by clearing competency issues through trainings.
- Managing vehicle movements and utilization.
- Conducting meetings with 3rd party & outsourced Infra team to get issue resolved.
- Conducting Kick off meetings with vendors to explain plan for next plans/phases.

IDEA CELLULAR LTD, Hyderabad-AP.

Sr.Executive –O&M Network Operations

since May'11 to Nov'16

- Acted as Team Leader for Idea Network Operations.
- Handled a team of 10 members.
- Clearing customer complaints like Network issue (Voice call/Data call and coverage).
- Giving face to face trainings to new team members making them ready to send to filed.
- Expert in handling related Technical problems such as New Site Integration, PCU Expansions, Software changing, using it for call test connecting to MSC.
- Assisting in the execution of customer requirements, troubleshooting all kinds of problems associated with BSS.
- BSC Shifting activity, Sites shifting activities done.
- Having good knowledge NSN Flexi BTS, Ultra BTS, MR and Huawei BTS/DBS 3900.
- Accountable for clearance of internal/external alarms on sites in cluster.

VIDEOCON TELECOMMUNICATIONS LTD AP & ORISSA

Executive – Network (BSS)

Since Jan'10 to May'11

- Acted as Operation engineer.
- Credentials of having worked and handled BSS (HUAWEI & NSN) part.

- Credentials of having handled HUAWEI BSC & HUAWEI BTS installations and Commissioning, along with the Acceptance Test with Vendor team.
- Distinction of having prepared Script files for RNC, BSC and BTS.
- Actively involved in submitting daily & monthly reports to the customer as per the allotments.
- Drawn up plans for monitoring delivery of material on sites.
- Accountable for clearance of internal/external alarms on sites in cluster.
- Actively involved in operation & maintenance of BTS/BSC.
- Earned rich experience in installation of BTS sites, troubleshooting at the time of installation cum swapping.
- Played pivotal role in Installation, Commissioning /configuration of BTS & BSC (BSS) and troubleshooting the various signal trace.
- Facilitated BTS integration and site loading from the BSC.

HUAWEI TELECOMMUNICATIONS (INDIA) CO. PVT. LTD, Hyderabad

BSS Engineer

June'09-Dec'09

Title

BSNL 3G

Responsibilities

- Credentials of having handled RNCs and NodeB (3G BTS) installations and Commissioning, along with the Acceptance Test with BSNL T&D team.
- Distinction of having prepared Script files for RNC, BSC and NodeB (3G BTS) and BTS.
- Involved in providing training to BSNL Employees about O&M of RNC, RNC Commissioning and Adding NodeB to RNC.
- Involved in Integrations, Adding neighboring cells, Handovers from WCDMA to GSM.
- Handled the configuration Script files for RNC 6810 IUB Script, NodeB DBS3900 and BTS 3900.
- Involved in 2G swap (Replace Motorola with Huawei BTS) in SSAs.
- Having a good command on creating script files RNC (Software) and BTS.
- Planned for allocating EIs to sites and site requirements.
- Responsible for coordinating and discussing project with Customer (BSNL) Employees and Chinese.

PRITHVI INFORMATION SOLUTIONS LTD, Hyderabad

Project Engineer

Sep'07-May'09

Title

Huawei (Tata GSM)

Responsibilities

- Involved in the Installation, commissioning and integration of HUAWEI GSM BTS 3900.

- Handled the test equipment i.e. Site master (Anritsu, BIRD), taking measurements of VSWR with site master, power with power meter, frequency counter for HUAWEI BTS.
- Credentials of having supervised the Installation, Commissioning and Maintenance of BTS, M/W.

Technical Skills:

Operating Systems: Red Hat Enterprise Linux, Windows.

Version Control Tools: Git (Git Hub)

Build Management Tools: Maven

Configuration Management Tools: Ansible, Docker, Kubernetes.

Application Servers: Apache Tomcat

CI Tools: Jenkins

Cloud Technology: AWS (EC2, EBS, ELB, S3, RDS, IAM, Cloud Formation, Route 53, VPC, Cloud Watch)

Monitoring Tools: New-Relic, Cloud watch

EDUCATION:

BTech in E.C.E. – 2007 with 62%.

Jawaharlal Nehru Technological University, Hyderabad.