

Durgarao Pothana

**Targeting assignments which involve professional growth & opportunities in
Cloud / DevOps Engineering**

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Objective:

As A Committed Engineer in implementations of DevOps and Cloud Solutions to Different Customers as per their Business Needs. Looking forward to work as a DevOps / Cloud Engineer to achieve the Business Goals of Organization by utilizing my current abilities.

PROFILE SUMMARY

- 5 + years of IT Experience 4 years of experience into DevOps and cloud solutions design and implementation.
- 1 + years of IT testing experience as a Build & Release engineer and server administration experience.
- Experience has a DevOps-Infra Team member and Worked as a Cloud Infra Team Lead for Few Recent Projects.
- Worked with Client side stakeholders, Product Owners, Scrum Masters, DevOps Managers, Developments managers and Delivery Teams.
- Direct interactions with Clients on DevOps tools automation and Cloud Infra setup.
- Hands experience in different phases of DevOps Practices include Source Code Management, Build automation, Continuous Integration & Continuous Deployment / Delivery, Static code analysis , Vulnerability Scanning, artifact management , automated test case executions, Container Orchestration, Cloud Security and Monitoring.
- Leading the successful integration of tools/technologies into CI/CD
- Broad-based expertise in configuration & maintenance of High Availability and Monitoring Solutions
- Excellence in deploying, automating, maintaining & managing AWS cloud- based production system to ensure the availability, performance, scalability & security of productions systems
- Proficient in performing a wide variety of technical and administrative duties in overall systems design, development, and delivery
- Proven success in building, releasing & configuration management of production systems
- Rich experience in DevOps Engineering involving design, architecture, and implementation of next generation system architecture & automation solutions; subject matter expertise in DevOps best practices with Cloud Formation, Auto Scaling Groups, and Configuration Management, Infrastructure Automation, and Enterprise Security
- An effective communicator with strong analytical, logical, and interpersonal skills to relate to people at any level of business; quick learner with the capacity to work under pressure and meet deadlines.

Key Result areas:

- Managing the process of moving data, applications or other business elements
- to a cloud computing environment
- Managing the set-up, maintenance and ongoing development of continuous build/ integration infrastructure (CI/CD) using Jenkins, Azure DevOps and AWS Code Pipeline.
- Designing and maintaining code for Infrastructure as a Code using Terraform and Ansible.
- Driving measures to manage configure monitoring for prod environment.
- Leading the implementation of business rules; rendering support in configuring automation throughout SDLC.
- Designing and developing automation to support continuous delivery and continuous integration processes.
- Performing system troubleshooting and problem-solving across platform and application domains; suggesting architecture improvements, recommending process improvements.
- Actively constructing company's DevOps strategy in a mix environment of Linux servers along with designing & implementing a cloud strategy based on Amazon Web Services.
- Developing and maintaining various DevOps related tools for the team such as provisioning scripts, deployment tools, and development & staging environments on AWS and Cloud
- Maintaining healthy business relations with clients and ensuring high customer satisfaction metrics by achieving delivery & service quality norms
- Supervising all Documentation for new features in a Release.

SKILL SUMMARY:

- ▶ **Operating systems:** Linux and Windows
- ▶ **Scripting Languages:** Shell Scripting
- ▶ **Configuration Management tool:** Ansible
- ▶ **Infrastructure automation:** Terraform
- ▶ **Cloud:** AWS & AZURE
- ▶ **Application Servers:** Tomcat
- ▶ **Web Servers:** Apache
- ▶ **CI Tools:** Jenkins
- ▶ **Databases:** SQL Server
- ▶ **SCM Tools:** SVN, GIT
- ▶ **Build Tool:** Maven
- ▶ **Artifact Management:** Nexus & Jfrog.
- ▶ **Code Coverage:** Sonar Qube
- ▶ **Development Methodologies:** Agile
- ▶ **Bug tracking tool:** JIRA
- ▶ **Container technology:** Dockers & Kubernetes
- ▶ **Vulnerability Scanning:** Prisma Cloud

EDUCATION:

High school: SSC

Inter / Diploma: INTERMEDIATE (M.P.C)

Graduation/Degree: GRADUATION (B.Sc. Computers)

EXPERIENCE SUMMARY:

ONTRACK SOFTWARE PVT LTD as a Cloud and DevOps engineer From May-2018 to Till Date.

PROJECT: Assure platform.

Domain: Insurance.

Clients: Starr Insurance & GLIC.

Role: Cloud Engineering and DevOps

Environment: AWS, windows and Linux.

Infrastructure as a Code: Terraform.

DevOps tools used: Jenkins, Maven, Gradle, Nexus, SonarQube, Ansible, Prisma Cloud.

Web & App Servers: Apache2.2 & Tomcat 9 & web sphere 9.5.

Container Orchestration: AWS ECS.

Duration: Aug- 2021 to Till Date.

- Deployed micro service application on ECS fargate as per Assure platform compliance.
- Written Terraform modules for automating the ECS fargate's on Lower Level (DEV & Test) environments and Customer Demo Environments on DXC Assure Platform.
- Followed security best practices on deployed application on cloud AWS.
- Maintained high available production environments on AWS using ECS fargate and dependent services.
- Worked on EFS integrations with ECS fargate for Docker volumes.
- Worked on Windows containers for specific requirements from Customers to support automated software stacks for OS specific.
- Worked on RDS service to manage the different databases and scheduled maintenance of snapshots at Rest.
- Access management using IAM Users and Roles, Defined custom policy statements for different identities.
- Worked on Network topology setup, peering Connections across different account VPC's, Cross Account access Roles setup.
- SMTP setup using AWS SES, DNS management with Route 53 handled various types DNS routing methods.
- Hands on With EC2, EC2 scaling (Vertical scaling), EC2 with EBS resizing and Encryption management and worked on AWS S3 for artifacts, DB backup storages.

- S3 life cycle management and Static web site hosting for UI Applications.
- Worked on AWS cloud watch and Cloud watch logs for monitoring solutions. Also worked on third part log monitoring tools for Performance monitoring.
- CI/CD Pipeline setup using Jenkins pipeline scripts.
- Managed the day to day builds to Dev, RT and QA environments from Jenkins server. Also responsible for monitoring the builds and troubleshooting the issues.
- Experience in automating the deployments to UAT and PROD as per the release cycle.
- Good Hands on experience in Linux server administration, monitoring and troubleshooting the issues.
- Worked on node application
- Branching and merging strategies defined for agile releases in GIT.
- Automated the application build process setup for Java Applications using Maven.
- Environment setup using different web and application server's apache, tomcat and web sphere.
- Worked on tech upgrades for Tomcat, web sphere and SQL servers for whenever new Release announcements happen.

CLIENT: Yes Bank.

Domain: Banking.

Role: DevOps Engineer.

Environment: windows and Linux

Container Orchestration: Kubernetes.

CI/CD: Azure DevOps

Duration: May-2019 to July-2021

- Good Hands in defining the CI and CD pipelines using Azure DevOps.
- Deployed micro services on kubernetes cluster (AKS).
- Helped the Dev teams on code merge conflicts and access issues.
- Administration and Configuration of CI server Jenkins.
- Automated application Code compilation, testing and packaging using build automation tools Maven and Ant.
- Worked on Ansible playbooks and Roles for automating the deployments to Linux and Windows.
- Administered the Linux servers and daily monitoring.
- Written Shell scripts for deployment automation.
- Documenting all the useful info about the release, software versions, changes implemented in current release, Defects fixed, Labels applied.
- Deployed Java/J2EE applications on to Apache Tomcat application servers.
- Performed the detailed monitoring on servers for space, CPU, RAM, identify the process and kill if there is high consumption on specific processes.
- Automated the manual tasks using script and scheduled from Jenkins by running periodically.

CLIENT: VERIZON.

Domain: Telecom.

Role: Configuration Management

Duration: May-2018 to April-2019

Contributions:

- Administered the Linux servers and License renewals from the Red Hat.
- Worked with internal Wintel teams to build the new VMs to set up the environments.
- Administered **Jenkins continuous integration** server.
- Automated application packaging and deployments.
- Established coding standards and enforced them through automated tools.
- Educated team about continuous integration and automated testing practices and supported them throughout application release.
- Configured **Jenkins** to implement **nightly builds** on a daily basis and generated change log that includes changes logged past 24 hours.
- Connected continuous integration system with different tools as part of CI process and CD Process.
- Created multiple **ANT and Shell** scripts for build automation and deployment for different applications.
- Defined branching and merging strategies for agile sprint releases.
- Documenting all the useful info about the release, software versions, changes implemented in current release, Defects fixed, Labels applied.
- Coordinated with software development teams and QA teams on issues and resolved the problems.