

Rajinikanth Vadla

DevOps/Cloud Engineer

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JOB OBJECTIVE

DevOps/Azure/AWS/GCP Engineer with over 4.5+ years of experience in automating and optimizing mission-critical deployments across infrastructure, targeting a challenging role in a dynamic organization to leverage expertise in DevOps, cloud technologies, and continuous integration for driving efficiency and innovation.

AREAS OF EXPERTISE

DevOps Engineering
Azure Cloud Services
AWS Cloud Services
Git Version Control
Jenkins Continuous Integration
Maven Build Tool
Docker Containerization
Ansible Automation
Cloud Technologies
Continuous Integration and Deployment
Kubernetes
Helm Charts
ArgoCD
ML-Ops CI/CD/CT

PERSONAL DETAILS

Date of Birth: 26/08/1997
Languages Known: English & Hindi
Address: 4-59, Mustapoor, kamareddy, Telangana. Pin 503124

PROFILE SUMMARY

- Possess 4.5+ **years of hands-on experience in DevOps, and ML-Ops Azure, and AWS,GCP**, specializing in **automating and optimizing mission-critical deployments** across infrastructure, with a focus on enhancing efficiency and streamlining processes
- Currently working as a **DevOps Engineer at ValueLabs**, implementing branching methodologies, maintaining source code, and working with **version control systems like GIT**, ensuring seamless collaboration among the Development Teams
- Proficiency in **build tools** like **Maven MSBuild Gradle** and **continuous integration** tools like **Jenkins**, with experience in creating master-slave setups, implementing multi-branch pipelines, and automating email notifications for build failures
- Skilled in **creating environment setups using Docker**, including development, testing, and production environments, and customizing Docker images based on organizational requirements, **ensuring optimal resource utilization**
- Deep knowledge in **remote server management using Ansible**, including setting up **Auto Scaling Groups for EC2** and working with message queuing services like **Amazon SQS**, facilitating efficient infrastructure management
- Leveraged key skills in DevOps Engineering, and **Continuous Integration and Deployment**, to drive efficiency and **innovation in mission-critical deployments across infrastructure**
- Proficient in **implementing monitoring and alerting systems** using tools like Nagios and CloudWatch, ensuring proactive identification and resolution of infrastructure issues, and maintaining the stability and performance of the infrastructure
- Excellent **communicator and collaborator** with **capability to coordinate with QA teams** to seamlessly integrate testing processes into the **CI/CD pipeline**, reducing the time taken for testing and increasing overall release velocity

TECHNICAL SKILLS

- Cloud Platforms: Microsoft Azure, Amazon Web Services (AWS), GCP
- Configuration Management: Ansible, Terraform
- CI/CD: Jenkins, Azure DevOps, AWS Code Pipeline, Github Actions, GCP Cloud Builds
- Containerization: Docker,Podman
- Orchestration: Kubernetes, Ansible, ArgoCD, Helcharts
- Version Control: Git, GitLab
- Monitoring: Prometheus, Grafana, Loggly
- Scripting: PowerShell, Bash, Python
- Operating Systems: Linux, Windows

EDUCATION

- B.Tech. from JNTUH, Hyderabad in 2019.

WORK EXPERIENCE

Currently working in Value Labs as DevOps/ML-Ops engineer - Nov-2022 - Till Date

Worked at Capgemini as a Senior Software eng/ Sr.DevOps eng - Oct-2021 - Oct 2022

Worked at VIL as Junior Cloud DevOps engineer (prompt personnel & Team Lease) - Sept-2019 - Sept-2021

Key Result Areas:

- Designing, deploying, and managing infrastructure using tools like **Kubernetes, Docker, Azure Kubernetes Service (AKS), AWS Elastic Kubernetes Service (EKS)**, and so on
- Developing infrastructure as code (IaC) scripts using **Terraform, CloudFormation**, or equivalent to ensure repeatable and version-controlled infrastructure provisioning
- Implementing configuration management using Ansible to automate server setup, configuration, and maintenance
- Building, configuring, and maintaining **CI/CD pipelines** using tools like **Jenkins, GitLab CI/CD, or Azure DevOps**
- Integrating code repositories with CI/CD pipelines to automate build, test, and deployment processes
- Implementing blue-green deployments and canary releases to ensure smooth and controlled application updates
- Managing and optimizing cloud resources on **Azure and AWS**, ensuring cost-effectiveness and scalability
- Implementing monitoring and alerting using cloud-native services like Azure Monitor, **AWS CloudWatch**, and so on
- Containerizing applications using Docker to ensure consistency across development, testing, and production environments
- Utilizing Kubernetes for container orchestration, including deploying, scaling, and managing applications
- Implementing:
 - Helm charts for simplifying application deployment and management in Kubernetes
 - Monitoring solutions like **Prometheus, Grafana, and ELK stack** for real-time visibility into system performance and application health
 - Security best practices in infrastructure and application deployments
- Collaborating with development teams to align DevOps practices with application requirements
- Conducting post-incident analysis and contributing to continuous improvement efforts

PROJECTS UNDERTAKEN

Project 1: DOJO - PaymentSense | Role: Sr. DevOps Engineer

Environment: Dot Net Google Cloud Platform | **Deployment Server:** GKE Kubernetes | **Version Control Tools:** GITHUB | **Build Tool:** MS Build

Project Responsibilities:

- Function as an Infrastructure Engineer working closely with multiple teams for automation, managed operations and cloud security.
- Responsible for keeping up multiple environments (Dev, QA, staging, production).
- Delicately working for Payment Sense Team closely with Developers for all code changes deployments.
- Creating and Maintain Cloud Build triggers in GCP ensure run smoothly.
- Looking into Team City Tool for Integration failures at On-perm and handling Deployments in Octopus.
- Hands on experience with Helm Chart to deploying into GKE under name space.
- Creating and Maintaining the infrastructure by using IAC tool Terraform.
- Actively on looking all helm libraries for deployments.
- Working Git Hub Actions to automatic deployments into GKE.
- Hands on experience on Creating branch policies.
- Ensuring the Staging environment available for QA and DEV engineers
- Handling Azure DevOps for few products and updating SSL certificates.
- Doing POC on ML-Ops for ML model deployments.
- Contributed to AIDE tool for GPT prompting.
- Currently Working on Argo-CD Setup for auto roll outs mechanism.
- Worked on Grafana for different Dashboards setup for different Teams.
- Monitoring the all resources involving into cost optimization meetings.
- Co-coordinating with Product owners for new requirments.
- Co-coordinating QA Testers for their testing environment.

Project 2: Stateform Insurance

Platforms: Windows, Linux | **Technology:** GIT, Jenkins, Maven | **Role:** Build & Release Engineer

Project Responsibilities:

- Involved in migration of application from a physical data center environment to Azure.
- Involved in creating virtual networks, configuring storage options, defining security measures, and determining the overall structure of the cloud environment
- Developed Terraform scripts to provision Dev, QA, Prod and DR environments
- Setup source code repositories on GitHub and configured pipelines in Jenkins and Azure DevOps for scheduled as well as automatic builds.
- Used tools like Azure DevOps, PowerShell, or Azure Automation to automate repetitive tasks, create deployment pipelines, and enable continuous integration and continuous deployment (CI/CD) practices
- Involved in DevOps assessments of client landscapes.
- Configured Jenkins and Azure DevOps based pipelines to drive all micro services builds out to the Docker registry and then deploy them to Kubernetes clusters, Create Pods and manage them using AKS.
- Understanding the current workflow by conducting workshops as a part of assessments
- Designing DevOps strategies and presenting them to the clients along with proof of concepts (POCs)
- Implementing DevOps strategies in client landscapes
- Responsible for User Management, Plugin Management and END-END automation of Build and Deploy using Jenkins.
- Designing, Implementing, enhancing, and supporting CI/CD pipelines using Jenkins
- Developing scripts to integrate various tools with Jenkins using plugins and APIs.
- Writing Dockerfiles to build custom Docker images and deploy them.
- Customization of Jira and implement custom API integrations as per the client requirements.
- Identifying the scope for automation, make necessary suggestions to client and implementing them.
- Used Unix shell, Power Shell, and Batch scripting for automation.
- Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using GIT source control and analyze and resolve conflicts related to merging of source code for GIT.
- Installing and updating the SSL certificates on container-based proxy servers.
- Mitigating the vulnerabilities on Linux as well as Windows servers.

Project 2: VIL Vodafone Idea Limited

Platforms: Windows, Linux | **Technology:** GIT, Jenkins, Maven | **Role:** Build & Release Engineer

Project Responsibilities:

- Responsible for tracking all the activities such as deployments, releases, etc., happened in the project and present the progress to the client.
- Organized and Co-Ordinated Product Releases, work closely with product development, QA, Support across global locations to ensure successful releases.
- Been a part of migration project, assessed the application compatibility with cloud and worked on migrating traditional physical and virtual servers to cloud.
- Configure and maintain System monitoring using Nagios and log monitoring using ELK Stack.
- Support the engineering teams with CI/Build tools, Environments and Automation.
- Troubleshoot and resolve issues related to application deployment and operations.
- Design and implementation of branching strategies on GitHub.
- Automate the deployments to DEV and QA Environments by picking up builds from Jenkins using ansible.
- Write the playbooks to automate infrastructure using Ansible.
- Created docker files for easier replication of DEV, QA Environments in local machines
- Experienced in building customized Docker images using Dockerfile
- Deliver containerized deployments using Docker and Kubernetes.
- Designed, configured, and deployed multiple applications utilizing the Amazon Web Services focusing on high-availability, Auto-Scaling and defined IAM, Security Groups in AWS.
- Experience in creating alarms and notifications for EC2 instances using Cloud Watch and installed the application in AWS EC2 instances and configured the storage on S3 buckets.
- Reviewing the technical architecture requirements to assess the DevOps Activities.
- Working with cross functional, geographically distributed team to provide 24X7 deployment support across multiple environments.
- Identifying the scope for automation, make necessary suggestions to client and implementing them.
- Used Unix shell scripting, Power-shell, and Batch scripting for automation.
- Responsible for critical system updates/changes and perform impact analysis of the application patches (hotfixes)

and enhancements) in lab environments.

- Identify the scope for process improvements and work towards implementing them.
- Conducting daily stand ups to discuss the daily progress.
- Preparing Daily Dash Boards, Weekly and Monthly Status Reports