

Amzad khan

DevOps Engineer

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01 PROFILE

Experienced DevOps Engineer **3** years in CICD, Cloud, Observability, Security, Scripting and infrastructure As Code (IAC).

Experience Highlights:

- Reduced new service delivery timeline from 1 month to 1 day by developing org-wide reusable libraries for pipelines and helm charts for the services.
- Increased the developers velocity by 30% with various measures, such as simplified local deployment, light weight short lived apps on each pull requests, ondemand-runners, This enabled faster development of features.
- With minimal Downtime, migrated applications with cross regions along with cross accounts resulting at 30% infra savings. Increased applications Performance in better way and other compliance requirements
- Performed DR's Quarterly Once To ensure that scalability and performance are Consistent.
- Experience on Installing and configuring various alerting and monitoring for better observability based on tools like Data Dog, New Relic and Grafana etc.
- Excellent communicative, interpersonal, analysis and leadership skills with ability to work efficiently in both independent and team work Environments
- Ability to work under stressful situations meets tight deadlines and delivers services with high quality.

02 EMPLOYMENT HISTORY

02/2022 — 07/2024

DevOps Engineer at Caterpillar Inc

Chennai

- *DevOps Practices Cloud, CICD, Observability, IAC*
- *Tools Used: AWS, Docker, Kubernetes, Jenkins, Datadog, Prometheus, Gitlab, Grafana, Nexus, harbor etc.*

Developed a DevOps strategy that increased the speed and reliability of application deployment.

- *Developed a DevOps pipeline that allowed for rapid deployments with minimal downtime.*
- *Role: DevOps Engineer (Consultant)*
- *Team-Size: 10*

Projects:

Org Wide Monitoring Solution:

- Created and Deployed alerting and monitoring solution for huge monolithic applications.
- Used Prometheus Node Exporter for generating metrics for the application and infrastructure availability.

- Created thresholds using alert manger and integrated Slack and OpsGenie to push the alerts.
- Used Monitoring Automation with Datadog + OpsGenie for alerting, Integrations etc.
- Created Datadog Dashboards for various applications and monitored real-time and historical metrics.
- Implemented Synthetic Monitoring, APM, RUM, Logging, Alerts, Incident Managements, Workflow Automation etc. on projects using DataDog.

CI/CD on P&M-UI Project:

- Implemented built CI/CD for tech stack on nodes and python.
- Used Jenkins file (pipeline as code) for Continuous Integrations (CI) and Argocd (CD).
- Branching, Tagging, Release Activities on Version Control tools like Github.
- Created additional Docker, Slavenodes for jenkins using custom docker, images and pulled them to ECR. Worked on all Major Components like Daemon, Hub, Images, and Registry.
- Setup Terraform Cloud and Used Vault for purpose for storing secrets.

Maitanence and Support:

- Handles On-Call, Incidents Outages and Postmortems.
- Used OpsGenie, New Relic, Datadog, Cloudwatch, Prometheus, ELK etc., to troubleshoot things as necessary
- Implemented DevOps strategy that improved System reliability and reduced time-to-time market.

08/2021 — 01/2022

Linux Engineer at Wipro Technology Solutions Pvt Ltd

Chennai

- *DevOps Pratices: Container Orchestration, Infrastructure as code, CI/CD and monitoring*
- *Tools: Jenkins, Docker, Kubernetes, AWS, Git Bash, BitBucket, etc.,*
- *Programming Languages: Bash, Powershell and Pipeline Scripts*
- *Operating Systems: Ubuntu, CentOS, Windows*
- *Role: Software Engineer Trainee*

CI/CD setup on Caterpillar Client:

- Having 2+ years Knowledge and experience on Jenkins Using Pipeline Script, powershell script for pushing the code and building docker image and deploying to Kubernetes Cluster.
- Configured and maintained Jenkins to implement the CI process and. integrated the tool with MAVEN to schedule the builds.
- Configured security and system in JENKINS added multiple nodes to JENKINS and configured SSH for continuous deployments.
- Responsible for resolve and build issues.
- Installing Jenkins configuring some Powershell scripts For Building Schemas and Procedures From TFS.
- Used Python Scripts to be automated send notifications to Google Chat(hangout) Groups Whenever necessary deployments happens.
- Enabling SSH for Putty Access.
- Using Jenkins, Built and Enabled Powershell, Pipelines automated Scripts for Deploying to

applications in daily, weekly use cases.

- Maintained appoffline Page whenever there is less downtime while deploying the code to Windows, Ubuntu Servers using Barracuda, Powershell Script.
- Created Deployments for multiple micro services where it pushing it to Nexus Artifactory.
- Responsible for performing tasks like Branching, Tagging, and Release activities on version control tools like GIT.
- Knowledge with container-based deployments using Docker, Dockerimages, Dockers file, Dockers hub.
- Configuring Amazon cloud watch for monitoring.
 - Providing L1, L2 support on **24x7** production environments.
 - Attending day-to-day requests from users on ticketingbases.
 - Installation, Configuration and Maintenance of VMware Server and Virtual Machines.
 - Installing Linux on different VM Servers, upgrading kernels to latest and migrating services to latest as per client requirement.
 - Migrating VM machines from one VMware Server to the latest VMware server without powering off servers and services.
 - Creating volumes and managing file systems using Logical Volume Manager (LVM).
 - File System administration (creating and increasing file systems)
 - User and group administration and troubleshooting boot process issues.
 - Implementing disk quotas and ACL's for users.
 - Installing of software packages and patches.
 - Backup and recovery using tools like **tar** and **dump**
 - Installation, Configuration of VMware Converter Enterprise
 - Server for Remote Conversion of **Physical Servers**.
 - Cloning and Migration of **Virtual Servers**.
 - Configuring and Maintaining DHCP Server, NIS Server, NFS Server, FTP Server and Clients.
 - Problem diagnosis and troubleshooting of Linux Servers.
 - Remote system administration using tools like **SSH**, **Telnet**.

- Planning and implementing system upgrades including hardware, operating system and periodical patch upgrades.
- Handled Incident/Problem/Change requests through **Service-NOW**
- Configured Remote tools such as **SSH,FTP,NFS,SAMBA ,DNS, LDAP, DHCP**
- Automation of jobs through **crontab** and **anacron**.

03 EDUCATION

June 2017 — Aug 2021

JNTUA

Kadapa

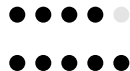
B.Tech

04 SKILLS

	AWS	Databases	● ● ● ● ●	● ● ● ● ●
	Linux	Ansible	● ● ● ● ●	● ● ● ● ●
	Jenkins	Docker	● ● ● ● ●	● ● ● ● ●
	Terraform	Gitlab	● ● ● ● ●	● ● ● ● ●
	Kubernetes	Git hub	● ● ● ● ●	● ● ● ● ●
	Observability	Pipeline	● ● ● ● ●	● ● ● ● ●
	Shell Script	Powershell	● ● ● ● ●	● ● ● ● ●
	Python		● ● ● ● ●	● ● ● ● ●

05 LANGUAGES

Telugu



English



Hindi

07 HOBBIES

Volleyball, Movies, listening music