

Mohammad Aarif

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SUMMARY PROFESSIONAL:

- Over **8+ years** of experience in the fields of IT System Engineer including **5+ years of DevOps** automation, configuration management and Cloud services using AWS.
- Experience in different flavors of Linux such as Redhat **Linux/Centos and Ubuntu** with installation of OS, Upgrading and Patching of OS, and some Admin tasks.
- I have written shell/Bash script to automate the daily activities for like System Maintenance, Configuration Management, Backup and Restore, User Mgt etc.
- Supported **AWS** Cloud environment with multiple instances and configured various services of AWS such as EC2, EBS, ELB, IAM, AMI, VPC, S3, Auto Scaling, etc.
- Experienced with virtualization using VMware ESX/ESXi environment.
- Experience on DevOps essential tools like **Ansible, Chef, Subversion (SVN), GIT, GitHub, Jenkins, Ant, Maven, Terraform, Docker, and Kubernetes.**
- Automate provisioning of AWS cloud infrastructure services like EC2 instances, VPC, subnets, security groups, IAM, Route 53, AWS EKS using **Terraform.**
- Experience in Configuring, Automating and Deploying using Chef and Ansible for configuration management to existing Infrastructure.
- I have written and maintain multiple **Ansible** playbooks in **YAML** to automate tasks.
- Having good Experience on containerizing tool **Docker** and **docker-swarm.** Created DockerFile and Multistage DockerFile for Microservices
- Experience in CI/CD tool like **Jenkins** (installing, configuring and administering).
- Implemented CI/CD pipeline using Git, Jenkins, Docker, ECR, SonarQube and EKS to deploy web application on Kubernetes cluster.
- Experience in writing recipes in **Chef** for installing the packages like Apache, tomcat, Nginx in Linux servers.
- Harness CI implementation and configuration with Delegate, Input Variables etc.
- Experience in troubleshooting the build and deployment failures.

EDUCATIONAL QUALIFICATION:

- Bachelor of Engineering in INFORMATION TECHNOLOGY from Nagpur University 2008-2012.
- Diploma in INFORMATION TECHNOLOGY from Autonomous Institute of Govt. Polytechnic, Nagpur.

TECHNICAL SKILLS: Operating Systems	Redhat Linux, Centos, Ubuntu, Windows
Version Control Tools:	Git, GitHub, SVN, Bitbucket
Build Management Tools:	Ant, Maven, Gradle
CI/CD Tool:	Jenkins, GitHub Actions, Harness
Container Technology:	Docker, Docker Swarm
Scripting Languages:	Shell/Bash, YAML scripting.
Tracking/Ticketing Tools	Jira, ServiceNow
Container Orchestration	Kubernetes, EKS, AKS
Repository Management	Nexus, JFrog Artifactory, SonarQube
Configuration Management Tools	Ansible, chef

PROFESSIONAL EXPERIENCE:

1) Persistent System Limited

Duration: - Oct 2024 – Current

Project: oneAdvanced:

Financials: Cloud-based financial mgmt. solution includes real-time reporting, dashboards, financial analysis, Budgeting, forecasting and planning, fully integrated suite of financial management modules, Project Mgmt, Purchasing Mgmt.

Environment: AWS, GIT, Jenkins, CI/CD, Maven, Docker, Kubernetes, Linux, Jira, Bash script, SonarQube, AWS EKS, AWS ECR, AWS Artifactory, Harness CI/CD.

Roles and Responsibilities: (DevOps-Engineer)

- Designed and optimized Jenkins CI/CD pipelines for automated Docker image builds and deployments to AWS EKS clusters.
- Implemented withCredentials block in Jenkins pipelines for secure handling of AWS and Kubernetes authentication secrets.
- Diagnosed and resolved pipeline failures related to deployment errors, including artifact version conflicts and configuration inconsistencies.
- Designed and implemented reusable Harness pipelines to automate artifact deployments across multiple AWS environments.
- Automated Kubernetes deployments in Jenkins using kubectl apply, including health checks and manifest rollouts.
- Configured and applied ClusterRoleBinding to allow Jenkins to deploy to EKS with required RBAC permissions.
- Troubleshoot kubeconfig and authentication issues within Jenkins pipelines for seamless EKS access.

- Resolved RBAC and OpenAPI schema validation issues in EKS by applying appropriate `ClusterRole`, `ServiceAccount`, and RBAC configurations.
- Executed health and readiness checks using `kubectl`, `systemctl`, and Docker CLI for deployment verification.
- Collaborated with engineering and platform teams to resolve deployment discrepancies and enhance observability.

2) Exfinity Technologies Pvt Ltd, Hyderabad

Duration: - July 2019 – Aug 2024

Project-2:

Citizen Bank Capital Management System As a top-tier provider of debt capital markets services, we offer syndicated loan origination, structuring and distribution services to support our clients including fully underwritten and best-efforts financings, secured and unsecured bank debt, junior capital, asset-based loans, fixed income.

Environment: AWS, GIT, Jenkins, CI/CD, Maven, Ansible, Terraform, Docker, Kubernetes, Linux, Apache Tomcat, Jira, ServiceNow, Bash/Python script, SonarQube, Nexus, MySQL.

Roles and Responsibilities: (Devops-Engineer)

- Designed Terraform modules to create custom sized VPC, subnets, and NAT to deploy Web applications and database templates.
- Designed roles and groups for users & resources using AWS Identity Access Management (IAM).
- Installed and configured Splunk monitoring server and forwarded on all the nodes in the environment.
- Created inventory in Ansible for automating the continuous deployment and wrote playbooks using YAML scripting.
- Implemented CI/CD pipeline using Git, Jenkins, Docker, ECR, SonarQube and EKS to deploy web application on Kubernetes cluster.
- Migrated VMware Virtual Machines to AWS and managed Services like EC2, S3, Route53, ELB, RDS, and VPC.
- Configured and administered Jenkins for managing weekly Build, Test, and Deploy chain, GIT with Dev/QA/Prod
- Analyzed code quality of the project's source code using SonarQube.
- Installed and configured the Nexus repository manager for sharing the artifacts within the company. Created proxy.
- Created Grafana dashboards for various applications and monitored real-time and historical metrics.

- Worked on Docker container snapshots, attaching to a running container, removing images, and managing director.
- Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, and test deploy.
- Deployed application which is containerized using Docker onto a Kubernetes cluster which is managed by Amazon Elastic Container Service for Kubernetes (EKS).
- Configured Ansible Control Machine and wrote Ansible Playbooks with Ansible roles. Used file module in Ansible Playbook to copy and remove files on EC2 instances.
- Managed deployments in EKS managed Kubernetes, set up a multi-node cluster, and deployed containerized applications.

Project-1:

Allegro (allegro.pl): The largest e-commerce platform in Poland, offering a range of products.

Roles and Responsibilities: (System-Engineer)

- Installation, configuration and upgrade of Redhat Linux 3/4/5/6, VMware 4/5/6 operating systems.
- Installing **RedHat** Linux using Kickstart and applying security policies for hardening the server based on the company policies.
- Installing, and configuring RedHat servers, automating scripts coordinated with SAN Team for storage allocation and Disk Dynamic Multi path.
- Extensive use of LVM, creating Volume Groups, Logical volumes and disk mirroring in Linux.
- Day to day duties for UNIX/Linux server Maintenance and Support to developer's team for their issues with application, tuning, troubleshooting, software running on UNIX/Linux Servers.
- Mitigation of crucial issues related to **Linux server, Jenkins, and monitoring.**
- Installed & configured Nagios on **Linux** servers.
- Maintenance of source code in GIT repositories for various market specific releases.
- Developed the POCs for the migration of the DR project from On-Prem to **AWS**.
- Managed **Amazon Web Services** (AWS) infrastructure with Automation, implemented new AWS instances and worked with **EBS and S3 storage, IAM.**
- Launched and configured **Amazon EC2** Cloud Servers using AMI; s (Linux /Ubuntu).
- Configured Apache servers and controlled them from Jenkins master.
- Written Ansible Playbooks for CD and Patching of Servers.

- Experience implementing Chef, including the internal best practices, cookbooks, automated cookbook CI, and CD system. Made use of Jenkins for **Ansible**, **Terraform** for dependency management, and Test-Kitchen for testing and development.
- Implemented **SRE** Practices for various application and platform teams.
- Using Chef to install and upgrade packages in infrastructure.
- I have written cookbook for installing and configuring the Applications.
- Integrated Maven build tool with Jenkins to generate the war/ear files and archived them and stores in Artifactory (Nexus/JFrog).
- Build and deploy the project deliverables on test environments as distributed updates and promoting to higher environments.
- Deployed the artifacts in environments like DEV, QA, and UAT with Chef and Jenkins.
- Coordinating and interacting with various cross functional teams (QA Team, Dev Team, and Database Team).

3) NESMA & PARTNERS, Al Khobar SAUDI ARABIA (KSA).

Duration: - Feb 2016 - Dec 2018

Roles and Responsibilities: (IT Administrator)

- Deploying infrastructure on AWS utilizing services such as EC2, EBS, RDS, VPC and Managed Network and Security, Route 53, ELB, Auto-Scaling.
- Configure and Maintaining AWS Infrastructure using Terraform.
- Experienced in creating AWS IAM and Security Group in Public and Private Subnets in VPC. Created AWS Route53 to route traffic between different regions.
- Launched AWS and Open Stack instances (Linux/Ubuntu/CentOS) and configured launched instances with respect to specific applications.
- Design roles and groups for users and resource tags using AWS Identity and Access Management (IAM).
- Provisioning AWS services like IAM, EC2, Auto scaling, EBS.
- Client end installation and configuration of emails (Outlook Sync with Google).
- Provided functional and technical support, troubleshooting and diagnosing issues.
- Deploy patches, updates, remove/install programs, force policies as per the management recommendation.
- Assist in troubleshooting, fixing Network equipment, Servers, operating system Database and related network or communication issues.