**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 CICD 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.

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| **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.
* Troubleshot 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.