

**TEK07774 (DevOps - 9 + Year)**

■ MCA - Computer Science

Highlights

- Proficient in designing and implementing reliable and automated systems. Extensive experience in monitoring, incident response, and ensuring high availability.
- Adept at optimizing performance and reducing downtime through proactive maintenance. Skilled in scripting.
- Demonstrated expertise in DevOps practices and continuous integration/continuous deployment (CI/CD) pipelines.
- Excellent problem-solving and communication skills. Committed to delivering robust and scalable solutions to enhance overall system reliability and performance.
- Experience in AWS provisioning and good knowledge of AWS services like EC2, S3, EBS, VPC, ELB, RDS, Lambda, Auto scaling, Cloud Watch, Security Groups.
- Utilize Jenkins to streamline CI/CD pipelines and enhance software delivery efficiency.
- Implement Docker for containerization, simplifying application deployment across various environments.
- Lead EKS integration and management to ensure a scalable and robust Kubernetes cluster.
- Utilize Terraform to automate infrastructure provisioning and maintain infrastructure as code.
- Develop Ansible playbooks to automate configuration management and application deployment.
- Collaborate with cross-functional teams to improve DevOps processes and drive continuous improvement.
- Facilitate smooth migration from traditional infrastructure to a cloud-native environment.
- Mentor junior team members on best practices for DevOps automation and tooling.
- Conduct performance analysis and optimization of infrastructure and applications.
- Work closely with developers to integrate automated testing into the CI/CD pipeline..
- Automate routine tasks, reducing manual intervention and improving team productivity.
- Optimize build times and artifact management using Jenkins and Docker caching mechanisms.
- Troubleshoot and resolve complex infrastructure issues to maintain high availability.
- Optimize CI/CD pipelines to reduce build and deployment times.
- Implement Git-based branching strategies to manage parallel development efforts.
- Participate in post-incident reviews and implement preventive measures.
- Integrate logging and monitoring solutions for comprehensive visibility into the infrastructure.
- Facilitate automated backups and restoration processes for data protection.
- Conduct performance tuning of Kubernetes pods and nodes for optimal resource utilization.
- Automate server provisioning and setup using Ansible roles and playbooks.
- Implement secrets management solutions to safeguard sensitive information.
- Establish automated vulnerability scanning and patch management processes.
- Performed package administration using RPM & YUM.
- Experience on Scheduling of automatic repetitive jobs with Crontab.
- Responsible for Customer satisfaction, and SLA management.
- Monitoring Linux Server for CPU utilization, Memory Utilization and Disk Utilization for performance monitoring.
- Continuous learner with a passion for staying updated with the latest industry trends.

Skills

Primary Skills

- DevOps
- Nexus
- Shell Scripting

Secondary Skills

- AWS
- JIRA
- Linux

Other Skills

- Operating Systems: Red Hat Enterprise Linux, CentOS, Ubuntu and Windows.
- Cloud: AWS
- Application Services: Apache Tomcat
- Monitoring tools: Nagios, Cloud watch, Kibana and Prometheus
- Configuration management tool: Ansible
- Iac: Terraform
- Scripting: Shell scripting
- Ticketing tools: Service now, Jira
- DevOps tools: Git, Jenkins, Maven, Docker, Kubernetes

Projects

Project 1 - IT Industry (22 months)

Roles & Responsibilities:

- Maintain GIT Repositories, Handling Releases and Branching activities for GIT.
- Handle multiple builds from Development team, create build jobs in Jenkins and perform Deployment activities.
- experience with Jenkins, including creating and managing pipelines, configuring jobs,
- integrating version control systems, and orchestrating automated build, test, and deployment workflows for smooth and efficient software development lifecycle.
- Converted and automated builds using Maven.
- Monitoring daily builds using continuous integration tool Jenkins.
- Deploying the JAR / WAR files in Tomcat app server.
- Experience in trouble shooting when build fails.
- Written docker files and built custom docker images.
- Responsible to write Kubernetes (EKS) manifest files for the different kinds like Deployments, Services, Ingress Controller, Ingress, Config maps, Stateful set, Daemon sets, Persistent Volumes, Persistent Volume Claims, storage classes, RBAC etc.
- Fixing Jenkins' build failures and Kubernetes deployment issues.
- Responsible for debugging the pods for the pod failures.
- Responsible for setting up liveness probe and readiness probe of the pods.
- Experienced in leveraging Terraform to orchestrate AWS infrastructure, automating resource provisioning, networking, and security. Adept at writing modular and version-controlled Terraform code for creating, modifying, and scaling cloud environments.
- Experience in app new release deployments in Production environments.
- Experience in handling application related issues like outage, latency e.t.c.
- Experience in monitoring apps by creating dashboards via monitoring tools in order to meet SLOs.
- Experience in troubleshooting of infrastructure level issues
- Maintaining the user accounts (IAM), RDS, Route 53, volumes, EBS.
- Experience with architecting application on AWS using different resources like EC2, ECS, S3, EBS.

Project 2 - IT Industry (35 months)

Roles & Responsibilities:

- Configured Git and Maven with Jenkins for generating artifacts.
- Managing Jenkins load by creating Jenkins slaves and ensuring parallel builds.
- Responsible for maintaining backups in Jenkins.
- Installing and configuring Ansible and Involved in writing Ansible playbooks for configuring the servers.
- Configured Ansible with Jenkins for deployment of the application in servers.
- Experience in Ansible tower for dev and test environments.
- Deploying the JAR / WAR files in Tomcat app server.
- Configured servers and deployed in different environments like dev, QA.
- We use Git to place our source code and involving in branching.
- Experience on docker containers creation and managing in all environments.
- Proficient in writing docker files and implement on Dev, Test and prod environments.
- Involved configuring Ansible and inventory for Dev, Test and production environments.
- Implemented playbooks to automate manual tasks in the Production.
- Proficient in using Ansible Ad hoc commands to fetch logs from various servers to find out the root cause of the issues.
- Used Ansible to automate Configuration management.
- Experience on creating S3 buckets and configured versioning based on data demand & flow.
- Experience on create EBS volumes and attach to EC2 instances when required.
- Experience in autoscaling as per inbound/outbound traffic in production.
- Launching and configuring of Amazon EC2 instances using AMI's (Linux/Centos) and
- configuring the servers for specified applications.
- Experience in implementing shell scripts for manual tasks in various platforms.

Project 3 - IT Industry (23 months)

Roles & Responsibilities:

- Performing troubleshoot in different aspects and rolling restart to fix critical issues and when the time of platform outage.
- Involving deployments (patches, upgrades and releases) by using Ansible configuration management tool in production.
- Experience on add-hoc commands to fetch logs, start/stop services on production servers.
- Install, Configure, Maintain & upgrade Linux/Unix Servers and Services.
- Troubleshooting application related issues and providing logs to developers for further investigation.
- Experience in resolving customer tickets smoothly.
- Experience in identifying application related issues via customer tickets and create Jira ticket for developers reference.
- File system operations. (Create, mount, unmount, remove, Troubleshooting).
- Created EBS volumes for storing application files for use with EC2 instances whenever they are mounted to them.
- Created snapshots to take backups of the volumes and also images to store launch configurations of the EC2 instances.
- Log Analysis, Maintaining documents of production server error log's reports.
- Experience in creating S3 buckets and configure versioning.
- 24/7 support to clients on Linux servers.

Project 4 - IT Industry (25 months)

Roles & Responsibilities:

- L1 support for all the 3500+ servers.
- Resolving the tickets as per the Standard Operating Procedure (SOP).
- Giving 99.9% uptime for the operators.
- Meeting the SLA's times for all the tickets and follow up for pending tickets.
- User and Group Administration.
- Managing Red Hat Linux servers for NFS, and FTP services.
- Managing and assigning permissions in Linux/Unix servers.
- Installing packages in Linux servers.
- We will be join to the Technical recovery calls.
- File system Management and Monitoring Disk space utilization.
- Monitoring the health and stability of System environments.
- Creating users and assigning privileges to them.
- Managing and controlling the system services using service and chkconfig commands
- Giving File/Directory permissions to the users by using SUDO.
- Solving day to day problems and following it up through Ticketing system.
- Performing the role of incident Management and Handling issues.
- Installing important patches on Linux servers.
- Job Scheduling for automation using corn.
- Taking care of server outages and technical issues.
- File system Creation/Management/Administration, e.g. Logical Volume Management, changing permissions.
- Performing the role of Incident Management and Handling issues.
- File system remounted read-only issue.
- Informing the owners when the File system utilization is more (90% and above).
- Timely escalation of complex issues to respective teams.

Awards

- Red Hat Certified RHCSA and RHCE (Certification no:150-096-782)
- Key contributor award (KCA)