

Devops Engineer- AWS Linux Admin

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Summary:

Linux Administrator and DevOps Engineer with 4.9 years of experience in designing, implementing, and managing infrastructure and automation tools to improve the software development lifecycle. Skilled in Linux, AWS, Docker, Kubernetes, Jenkins, and scripting languages like Bash

Professional Summary:

- Worked on multiple DevOps projects for various clients, ranging from infrastructure design to automation and deployment
- Designed and implemented AWS environments, including VPCs, EC2 instances, RDS databases, and S3 buckets
- Built and managed Docker containers and Kubernetes clusters for microservices applications
- Set up CI/CD pipelines using Jenkins and GitLab for continuous integration, testing, and deployment
- Conducted security audits and implemented security best practices, including encryption, VPCs, and IAM policy
- Configuring the Docker containers and creating Docker files for different environments
- Working Experience in creating the Docker Images and configuring the images.
- Managed and maintained the company's AWS infrastructure, including EC2 instances, RDS databases, and S3 buckets
- Installed number of plugins in Jenkins for project requirement
- K0sctl cluster creating, configuration, troubleshooting
- Docker container creating, configuration, deploy the applications
- Git ciced pipeline, runner configuration.
- Write manifest files in YAML.
- Good knowledge in minikube configuration.
- Good experience on source code management tools like GIT & Github.
- Experience on creating Branching and Merging in version control tools like GIT.
- Experience in using MAVEN for building deployable artifacts (jar, war & ear) from source code.
- Expertise in writing playbooks and creating Roles for Scalability and Reusability.
- Working Experience on AWS Cloud Services and on-premises cluster EC2, EBS, RDS, S3, VPC, IAM, ELB,
- Auto Scaling, Cloud watch and Snapshots etc.
- Knowledge on Container management using Docker. Docker file for creating custom images. Familiarity with Docker Swarm.
- Knowledge on Shell Scripting.
- Designed and implemented scalable and highly available infrastructure on AWS for various clients

- Deployed and managed Linux servers on AWS, including EC2 instances, RDS databases, and S3 buckets. Developed and maintained automation scripts in Bash to provision and configure infrastructure on AWS.
- Set up and configured monitoring tools like CloudWatch, Nagios to monitor system performance and troubleshoot issues.
- Worked with development teams to deploy web applications on AWS and set up load balancing and auto-scaling groups.
- Improved system reliability and availability by implementing disaster recovery plans and conducting regular backups and restores.
- Provided technical support to clients and resolved issues related to Linux and AWS infrastructure.
- Used Nexus as an artifact repository tool for maintaining the Java based release code packages.
- Performed continuous Build and Deployments to multiple environments like Dev, QA, Performance and UAT.
- Collaborating with developers, QA and Staging support teams to identify and resolve build problems.

Work Experience:

Company Name: Exzatech Consulting and Services Pvt. Ltd

Location: Bangalore

Position Title: Devops Engineer & Support executive

Employment Dates: From Oct-2021 to 25th-Jan-2023

- Managed and maintained Linux servers running various distributions, including CentOS, Ubuntu, and Debian
- Designed and implemented AWS environments, including EC2 instances, RDS databases, and S3 buckets
- Built and managed Docker containers and Kubernetes clusters to deploy microservices applications
- Set up and configured CI/CD pipelines using Jenkins and GitLab for continuous integration, testing, and deployment
- Conducted security audits and implemented security best practices, including encryption, SSH hardening, and firewall rules
- Monitored system performance and analyzed logs using tools like Nagios, and ELK stack
- Worked with development teams to identify and resolve issues in the software development lifecycle
- Improved system reliability and availability by implementing disaster recovery plans and conducting regular backups and restores

Company Name: Merlin Softech and Telecom Pvt. Ltd

Location: Hyderabad

Position Title: System Associate

Employment Dates: May 2018 to September 2021

Roles and Responsibilities:

- Designed and implemented a highly available infrastructure on AWS using EC2, RDS, and S3.

- Deployed and managed Linux servers on AWS and set up load balancing and auto-scaling groups for web applications.
- Configured monitoring tools like CloudWatch to monitor system performance and troubleshoot issues
- Managed and maintained Linux servers running various distributions, including CentOS, Ubuntu, and Debian.
- Configured and managed AWS services, including EC2, S3, and RDS.
- Deployed and maintained web applications on AWS using load balancing and auto-scaling groups.
- Developed automation scripts in Bash to automate infrastructure provisioning and configuration.
- Configuring and managing user and group accounts
- Installing/updating of software packages using YUM and RPM
- Managed File/Directory Permissions under Linux
- Providing SUDO access to the users and groups
- Interaction with client in gathering and understanding the requirements.
- Working on Incident and Change Management issues in Linux.
- Monitoring and managing SWAP, Disk Utilization & Memory Utilization.
- Task scheduling with CRONtab.
- Installed & Configured Red Hat Enterprise Linux 6 & 7 Network servers with SAMBA file server, FTP server and SMTP server.
- Monitoring server hardware health.
- Providing both server and desktop support to clients on enterprise setup.
- Configuration of remote applications SSH, generating and authenticating SSH public key Generation on servers.
- Creating the volumes and creating the file systems (LVM).
- Diagnosing user related issues and providing solutions.
- Responsible for adding, creating new users, groups, setup home directories, and appropriate
- Provisioning UNIX servers RHEL 5, 6 and 7 in Physical as well as VM environment.
- Updating Patches to keep servers updated against bugs using Red Hat satellite Server.
- Creation of Disk Management inside VM.
- Post checks of new build servers after server build up.
- Monitoring performance of Linux server, Memory, CPU, Network and Disk activities and analyzing these reports and finding any issue that occurs.
- Creation of new file-systems and configuration
- Server performance monitoring and tuning
- Analyzing of CPU, memory, paging and disk utilizations
- Troubleshooting of OS errors

Project #2

Project: Ndryve

Client: Internal

Company: Exzatech Consulting and Services Pvt. Ltd

Role: Devops Engineer

Period: Oct 2021 to Jan 2023

Responsibilities:

- Managed and maintained Linux servers running various distributions, including CentOS, Ubuntu, and Debian
- Designed and implemented AWS environments, including EC2 instances, RDS databases, and S3 buckets
- Built and managed Docker containers and Kubernetes clusters to deploy microservices applications
- Set up and configured CI/CD pipelines using Jenkins and GitLab for continuous integration, testing, and deployment
- Conducted security audits and implemented security best practices, including encryption, SSH hardening, and firewall rules
- Monitored system performance and analyzed logs using tools like Nagios, Zabbix, and ELK stack
- Improved system reliability and availability by implementing disaster recovery plans and conducting regular backups and restores
- Attended the daily Scrum meetings to set the goals and achieve them.
- Performed all necessary day-to-day support for different projects, created branches and tags.
- Optimized volumes and EC2 instances. Used IAM to create new accounts, roles and groups.
- Creating and maintenance of AWS services like EC2, S3, IAM, RDS, EBS, ELB and Auto scaling groups.
- Docker and Kubernetes based setup and deployment.
- Configured and maintained Jenkins to implement the CI process and integrated the tool Maven to schedule the Builds.
- Good exposure on continuous Integration tool Jenkins and configuring various build tools like Maven.
- Configuring SonarQube for code coverage in Jenkins and Involves in Build and deployments activities into respective environments like DEV, QA, UAT, UAT2 and PROD environment.
- Introduced CI process for my current project. Installed and configured Jenkins to carry daily builds and test cases.
- Scheduled Build jobs, configured build pipeline and automated deployment using Jenkins.

Project #1**Project: KRA****Client: stima****Company: Merlin Softech and Telecom Pvt. Ltd****Role: Devops Engineer****Period: Oct 2019 to AUG 2021****Responsibilities:**

- Oversaw the implementation of an AWS environment for a microservices application using Docker and Kubernetes.
- Set up and configured CI/CD pipelines using Jenkins and GitLab for continuous integration, testing, and deployment.

- Conducted security audits and implemented security best practices.
- Troubleshooting application related issues by log verification.
- Verify Deployments logs to check for successful deployments.
- Taking daily priority calls with the development and testing team to have priority tickets to work

Educational Qualification:

MCA(Master of computer application)

PERSONAL DETAILS:

Date of Birth: 5th JUNE 1994,

Gender: Male,

Father's Name: D.SOMULU,

Marital Status: Married,

Language: English, Telugu,

Nationality: Indian,

Address: Moinabad, Hyderabad.

Date:

Place: (Nagaraju. Dandempally)