HARSHAL KOTHE

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OBJECTIVES

An experience professional 2.1 year of experience in software industry with the knowledge of Cloud engineering, Linux management system, MySQL for data management, AWS for service management, Jenkins for project management, GIT for code management along with this I have also work on HAPROXY Server and Crontab for service scheduling with all this knowledge I want to associate with progressive organization that can provide me dynamic works sphere, challenging assignment with responsibilities which encourage creativity and keeps in touch with the latest technology in cloud engineering.

WORK EXPERIENCE

Cloud Engineer

Affiance Automation Pvt. Ltd, Bhopal, Madhya Pradesh.

08/2020 - Present

PROJECTS

Project: Flexible online insurance

portalClient: Flexible insurance

Role: Cloud Engineer (**Sept 2021 - Present**)

Tools: **AWS Cloud, Git, Tomcat, Jenkins, Linux operating system**

Description: Flexible online insurance portal is a one-stop shop that caters to all the needs of Swann staff members. This portal gave Swann insurance the potential to launch new products to customers at very shorter cycle products like Jenkins and Git.

Roles and Responsibilities:

- Launch the EC2 instance based on the requirement, performing the instance stop, start and Reboot actions based on the requirement.
- Creating and utilizing tools to monitor our applications and services in the cloud.
- Hands-on experience in implementing a DevOps pipeline using Jenkins.
- Create S3 buckets in the AWS environment to store files and also manage policies for S3 buckets.
- Responsible for managing and maintaining IAM policies for organizations in AWS to define groups, create users, assign roles and define rules for role-based access to AWS resources.
- Managing DNS records on Amazon Route 53.
- Installation and Configuration of Amazon Linux AMI, CentOS, and Ubuntu.
- Created NAT gateways and instances to allow communication from the private instances to the internet through hosts.
- Initiating alarms in Cloud watch service for monitoring the server's performance CPU utilization, disk usage, and memory utilization.
- Responsible for Creating and configuring elastic load balancers and auto-scaling groups to distribute the traffic and to have cost-efficient.
- Managing VPC, and Subnets, make the connection between different zones.
- Responsible for the design and maintenance of the GIT Repositories, views, and access control strategies.
- Setting up and modifying new instances using Terraform scripting.
- Installation and configuration of Apache.

Project: General Motors,

 US Client: General Motors, US

Role: Cloud Engineer and Linux System
Administrator(**August 2020 − Sept 2021**)

Tools: AWS Cloud, Git, Tomcat, Linux operating system.

Description: General Motors Global Request System(GRS) was developed for putting the General Motors procurement system on the web.

Roles and Responsibilities:

- Strong understanding of most of the services in AWS.
- Proficient knowledge of CentOS.
- Managing EC2 instances, and writing the cron jobs for scripts Automation.
- Downloading packages using YUM configuration.
- Basic User Administration requests [user add, group, add, password reset password].
- Creating users, and groups, and managing permission of users and groups.
- Worked and configure the FTP server.
- Installed & Configured the LAMP server.
- Worked on LVM (Logical Volume Manager).
- Configured Nginx.
- Installed and configured MySQL Database on Linux.
- Installed and configure the HAPROXY server as a Load-Balancer.
- Configure Tomcat web server for java application.
- Scheduling tasks using CRONTAB.

TECHNICAL SKILLS

- Knowledge of various DevOps tools like GIT, GITHUB, GITLAB, Terraform, Jenkins, Maven, Ansible.
- Monitoring with Cloudwatch and Cloudtrail.
- Experience of various AWS services like IAM, S3, EC2, VPC, RDS, ECS, SQS.
- Regular activities like OS installation, Creating and Managing Users and Groups.
- Management of Apache servers including installation, maintenance and troubleshooting.
- Good knowledge of Linux Administration.
- Configured SSH, FTP, MariadB, Apache web server and Nginx.
- Worked on special permissions like Suid, Sgid and Stickey bit.
- Applying Access Control List for providing permission to user outside group.
- Created Hard Links and Soft Links.
- Installs, Upgrades and Manages packages via RPM and YUM package management.

Education

Graduation Degree in Bachelor of M.Engineering

- Priyadarshini Bhagwati College of engineering, Nagpur.
- From Rashtrasant Tukadoji Maharaj Nagpur University.
- Graduate with First Class.

DECLARATION

I hereby declare that the above written particulars are true to the best of my knowledge and belief.