Revanth R CH

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CAREER OBJECTIVES

Results-driven and highly skilled DevOps Engineer with 5+ years of hands-on experience in Cloud Infrastructure, automation, and CI/CD seeking a growth-oriented carrier in the world of information and Cloud Technologies, where I have more scope to learn, teach & nurture my knowledge by working on diversified protocols of applications.

EXPERIENCE SUMMARY:

- Around 5+ years of experience in the fields of automation, configuration management and cloud services.
- Experience in RedHat Linux System Administration.
- Hands on experience in **AWS** provisioning and in-depth understanding on AWS services like **EC2**, **S3**, **Glacier**, **ELB**, **RDS**, **IAM**, **Route 53**, **VPC**, **Auto scaling**, **Cloud Front**, **Cloud Watch**, **Security Groups** and **Lambda**.
- Experience in managing infrastructure resources in cloud architecture with close coordination with various functional teams.
- Expertise in writing **Ansible** playbooks, to configure the AWS servers.
- Hands on **Docker**.
- Experience in creating Docker file and **Docker Compose** files.
- Hands on experience on different type of **Kubernetes** clusters setup like **EKS**, **KOPS**.
- Provision of **EKS clusters** using **Terraform**.
- Experience in writing **Kubernetes manifests files** to deploy Kubernetes resources like **Deployment**, **service**, **replica sets**, **Ingress controllers** and Ingress, config map.
- Experience in installing, configuring, and administering **Jenkins**.
- Experience with version control systems like **GIT**.
- Hands-on experience on **Cloudwatch** to monitor services like EC2, RDS, ELB.
- Monitored system performances and application logs using **Prometheus** and **Grafana**, ensuring system health and reliability.
- Knowledge on **Jira** tool.
- Good experience on **Terraform**.
- Automating AWS services using Terraform.
- Experience in understanding **Terraform variables**, **modules**, **providers** and **output**.
- **Monitor, build and deploy** software releases and provide support for production deployments.
- Experience in troubleshooting build and deployment failures.
- Worked on Jenkins for **continuous integration** and end-to-end automation of all builds and deployments, including pipeline job setup and upstream/downstream job configurations.
- Proficient at building deployable artifacts (War, Jar, Ear, Zip, Tar) from source code and maintaining them using Maven (Pom.xml), Ant (Build.xml), and Gradle (Build.gradle), as well as working with Groovy scripts to automate Jenkins configuration.

TECHNICAL SKILLS:

Operating Systems	**Ubuntu, RHEL**
Amazon Web Services	**AWS EC2, ELB, VPC, RDS, IAM, Route53, S3, Cloud Watch, Cloud Front, EBS, SNS, SQS, EBS, NAT Gateways, Subnets, Security Groups, NACL's.**
Build/Automation Tools	**Maven, Ansible, Jenkins, Docker, Kubernetes.**

Databases	**MySQL, RDS**
Scripting Languages	**Shell Scripting, YAML, Groovy**
Version Control Tools	**GIT Hub**
Monitoring Tools	**Cloud Watch, ELK**
Bug Tracking Tool	**JIRA**

EDUCATION QUALIFICATION:

- Post-Graduation from FANSHAWE COLLEGE, London, Ontario, CANADA – August2019
- Bachelor of Technology from JNTU, Hyderabad - 2017.

WORK EXPERIENCE:

NEXUS SOFTWARE LIMITED   (March 2022 - Present)

DevOps/AWS Engineer

- Responsible for planning, coordinating, and executing Dev Ops projects.
- Involved extensive work towards code compilation, packaging, building, debugging, automating, managing, tuning, and deploying code across multiple environments and Linux Administration.
- Worked on Amazon Cloud Services and its features (**AWS EC2, VPC, EBS, AMI, snapshots, Autoscaling, Lambda, SES, SNS, RDS, ELB, EBS, CloudWatch, S3** etc.).
- Worked closely with application team and support on various performance and configuration issues on daily basis and planned release schedules with agile methodology.
- Experience in creating and building S3 buckets, managed policies and used S3 bucket and Glacier for storage and backup on AWS. Configured S3 to host Static Web content.
- Performed all necessary **GIT** configuration support for different projects and worked on branching, versioning, labeling, and merging strategies to maintain GIT repository and GIT Hub.
- Re-sizing multiple RDS instances to make cost effective environment.
- Created automated CloudWatch dashboards for EC2 instances through lambda function.
- Assigned Roles and Policies to Users and Security Groups by using Identity and Access Management (**IAM**) for improved login authentication.
- Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
- Setting up Elastic Load Balancer to distribute incoming application traffic across multiple EC2 instances having excellent knowledge on Amazon S3, SNS/SQS, Route53 and other services of AWS Family.
- Deployed EC2 instances, attached security groups, attached profiles and roles using Terraform
- Implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure and created Jenkins jobs to deploy applications to **Kubernetes Cluster**.
- Creating CDN for reducing network latency and improve the performance of the website. (CloudFront).
- Worked on CI/CD tool Jenkins to automate the build process from version control tool into testing and production environment.
- Worked on Bridge cases (Sev1, Sev2, Sev3, Sev4 - Fault analysis & resolution), raising incidents, and closing cases. Performed health Checks and Status reporting on executive calls.
- **Created EBS volumes and attaching to instances and creating partitions and drives.**
- Worked with Groovy scripts in Jenkins to execute jobs for a continuous integration pipeline where Groovy Jenkins Plugin and Groovy Post Build Action Plugin are used as a build step and post build actions.
- Implemented and maintained the monitoring of alerts of production, corporate servers and storage using AWSCloudWatch for efficiency.

INNOMINDS SOFTWARE PVT LTD   **(July 2021 – February 2022)**

DevOps Engineer

- Supported 24x7 production computing environments. Experience providing on-call and weekend support.
- Installed and worked on configuring **AWS CLI**.
- Deploying and validating the applications automated through the **Jenkins pipeline** using **pipeline groovy script**.
- Used **JIRA** as the bug tracking tool to review and fix the bugs and as Scrum Agile tool.
- Performed major & minor upgrades instances using command & GUI mode.
- Strong knowledge and understanding of network technologies (TCP/IP networking, SSL, Firewall, Proxy, Load Balancing).
- Worked on LVM and Disk management. Good Knowledge in Managing Partitions and File Systems.

CAPITAL TECHNOLOGIES LIMITED   **(December 2019 – June 2021)**

DevOps/AWS Engineer

- Defined branching, labeling, and merge strategies for all applications in Git.
- Created **Docker images**, **Docker containers** and pushed to Docker hub Registry.
- Extensive knowledge on working with cloud watch graphs.
- Deployed applications in **Nginx** server.
- Created email notification once the job is failed.
- Creating **AMI's** from instances.
- Creating snapshots for volumes.