KARTHIKEYAN C
DevOps Engineer
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Professional Summary:

- Having **5+Years** of experience in IT & Relevant experience of **3 + Years** in **Cloud & DevOps** Technologies.

- Working as **DevOps Engineer** in **Intergrated Digital Info Services**

Technical Skills:

- **Operating System**: Linux, Ubuntu, Windows Server 2008/2012
- **Configuration Management Tools**: Ansible, Terraform.
- **Containerization**: Docker, Kubernetes
- **CI/CD**: Jenkins.
- **Source Code Management**: Git.
- **Build tools**: Maven.
- **Deployment Tools/ Servers**: Apache, Tomcat.
- **Database**: MySQL.
- **NoSQL**: Dynamo DB (AWS).
- **Public Cloud**: Amazon Web Services
- **Repository Tools**: Nexus Artifactory, Docker Hub, Git.
- **Code Quality tool**: Sonarqube.
- **Scripting**: Shell Scripting, Python
- **Security tools**: IAM, ACM.
- **Monitoring/Logging tools**: Splunk, Prometheus and grafana, Cloud Watch

Work Experience:

AWS DEVOPS ENGINEER (06/01/2020 TO TILL DATE)

CLIENT: Sun Pharma (Health care)

ROLE: DevOps Engineer

- Manage and configure **AWS services** as per business needs (**ELB, Route53,S3, CloudWatch, IAM, VPC**) Experienced in creating complex **IAM policies**, Roles and user management for access within **AWS.**
- Actively managing, improving, and monitoring cloud infrastructure on AWS, **EC2** includingbackups, patches and scaling.
- Creating/ Managing AMI/ Snapshots/ Volumes, Upgrade/ downgrade AWS resources (CPU, Memory, EBS).
- Created volumes and attach volumes to **EC2** instances.
- Attaching or Detaching **EBS** volume to AWS **EC2** instance.
- Linux/Windows/Ubuntu servers on Amazon EC2 & monitor through SNS & Amazon Cloud Watch.

- Setup/Managing **VPC**, **Subnets**, make connection between different zones blocking suspicious ip /subnet via ACL.
- Utilized **Cloud Watch** to monitor resources such as EC2, CPU memory, EBS volumes to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
- Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS). Setup/Manage Databases on **Amazon RDS**
- Manage and configure **AWS services** as per the business needs (ELB, Route53, S3, Cloud Watch,IAM, VPC) in Global infrastructure.
- Handling L1 and L2 level issues, involved in the client calls, done several deployments, resolving the tickets to ensure system availability as per multiple Service Level Agreements (SLA).
- Managed **GitHub** repositories and permissions, including branching and tagging.
- Assisted developers with establishing and applying appropriate **branching**, labeling convection's using **GIT** source control.
- Create and maintain full automated CI/CD pipelines for Code deployment.
- Automated build and deployment using **Jenkins** to reduce human error and speed up production processes.
- Implemented and supported CI process via **Jenkins**
- Containerizing applications with **Docker**. Responsible for managing the **Docker** private registry and having good knowledge of maintaining containers using Docker swarm.
- Used **Ansible** to do configuration and to automate deployments
- Implemented continuous delivery pipeline involving Jenkins, **Ansible** to complete the automation from commit to deployment
- Experienced in Monitoring **CloudWatch** Metrics and Knowledge in **Prometheus and Grafana** Dashboards.
- Administrated and Implemented CI tools Jenkins for automated builds and also integrating Unit tests and Code Quality Analysis Tools like **SonarQube**
- Hands on working experience on **Web Server (Apache), Application Servers (Tomcat),DB Server (MySQL)**
- Documented the entire installation process for various tools and provided on-call support.

System Admin (01/05/17 to 30/11/19)

- Install and configure software and hardware.
- Manage network servers and technology tools.
- Set up accounts and workstations.
- Monitor performance and maintain systems according to requirements.
- Troubleshooting and resolving issues.
- Ensure security through access controls, backups and firewalls.
- Upgrade systems with new releases and models.
- Develop expertise to train staff on new technologies.

Education:

- B.Tech (Information Technology) from Mahendra Institute of Technology,Namakkal

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