**Your Name**

**tiajearad@gmail.com**

**(832)- 897 - 8630 | Houston, TX**

**DevOps/AWS Cloud Engineer**

**AWS Certified DevOps Engineer Professional, Certified Kubernetes Administrator (CKA)** and **Red Hat Certified System Administrator (RHCSA)** with **9 years of experience** optimizing workforces, capturing cost savings, and driving efficiencies for diverse enterprises on a global scope. Bridge gaps between technical and non-technical departments with keen understanding of both the business processes and underlying technology for improved solutions, methodology implementation, and organizational effectiveness. Position Company for growth, stability and business continuity by implementing new and emerging technologies with next-generation tactics. Drive cross-functional, peak-performing teams to achieve business objectives with customized applications and process improvements. Consistently stay abreast of modern technological advancements to serve enterprise needs.

***Highlighted Skills:***

* **Accomplish large-scale and full-phase projects** in compliance to aggressive deadlines and to budget specifications.
* **Knowledgeable of leading-edge**, new, and emerging technologies to enable cost savings, risk management, safety, automation, and superior standards of excellence for companies dominating the domestic and global market.
* **Exercise cross-functional leadership** while assessing performance, uncovering opportunities for corrective actions, and rolling out process improvements promoting greater efficiency, risk mitigation, and asset protection.

**Technical Skills**

|  |  |
| --- | --- |
| **Configuration Management** | Ansible, Puppet |
| **Scripting Language** | Python Scripting; Linux  Shell Scripting, Pipeline as code for Jenkinsfile |
| **Containerization and Image Scan** | Docker, Clair, AWS image scan |
| **Continuous Integration (CI)** | Jenkins |
| **Build Automation and Code Analysis** | Maven, Gradle, Chermarx, Sonarqube |
| **Version Control System (VCS)** | Git, Github, Bitbucket |
| **Artifact and package manager** | AWS S3, Nexus, Helm for kubernetes, Yum, Apt |
| **Monitoring** | AWS CloudWatch, Splunk, Prometheus, Grafana, Alert manager, Prometheus Stack |
| **Infrastructure As Code (IaC)** | Terraform,  AWS CloudFormation, Terragrunt |
| **Container Orchestration and Backup** | Kubernetes, AWS EKS, AWS ECS, Docker-Swarm, Velero |
| **Container  Registries** | Docker Hub, AWS ECR (Elastic Container Registry), Helm Charts Registry |
| **Web Servers** | Apache, Nginx, Tomcat |
| **Bug Tracking and Documentation** | Jira, Kanban Board, Confluence |
| **SDLC (Software Development Life Cycle)** | Agile, Scrum, Waterfall, Safe |
| **AWS Developers Tools** | AWS CodeCommit,  AWS CodeBuild, AWS CodeDeploy and AWS CodePipeline |
| **Operating Systems** | Unix/Linux, Windows,  Windows Server 2012, and 2016 |
| **Linux Distributions** | Centos 6, 7 & 8, RHEL 6, 7 & 8, Ubuntu |
| **Virtualization Platforms** | Oracle Virtual Box, VMware Workstation 15, VMware ESXI 5.5, 6.5, and 6.7 |
| **Amazon Web Services** | VPC, EC2, S3, IAM, AMI, SNS, ELB, EFS, EBS, SQS, WAF, Auto Scaling, Route 53,  Launch Template, CloudTrail, Trusted Advisor, Security hub, CloudWash |
| **Networking/Protocols** | TCP/IP, FTP, SCP, SSH, SSL, DNS, HTTPS, DHCP, VPN, and LDAP |
| **Databases** | MySQL, RDS, DynamoDB, Amazon Aurora |
| **Password Security** | Git-Crypt, Sealed Secret, AWS parameter store and  AWS System Manager |
| **Languages and Communication** | English and French, Slack, Microsoft Team, Skype, Mattermost, Outlook |

**Professional Experience**

**Mercedes-Benz USA** 2020 – Present

**Education**

**Bachelor of Science |** University of Dschang in Cameroon, 2014

**Windows Server 2012 Installation, Configuration, and Administration Training |** HCC, 2017

**Professional Certification**

|  |  |
| --- | --- |
| AWS Certified DevOps Engineer Profession | AWS, 2020 | Harchicop Terraform Associate | HashiCorp, 2021 |
| Red Hat Certified System Administrator(RHCSA) | Redhat, 2019 | Certified SAFe 5 Agilist | Scaled Agile, 2021 |
| Certified Kubernetes Administrator | CNCF, 2020 | AWS Certified Cloud Practitioner | AWS, 2020 |

**terraform**

* **Migrate all Terraform and Jenkins credentials** from local into AWS parameter store in all environments and get rid of git-crypt to enhance security.
* **Maintain and update Terraform** **modules** for our Platform and microservices repository in all environments, develop new modules to create new resources in AWS as needed.
* **Wrote terraform scripts** from scratch for building Development, Staging, and Production environments.

**helm & kubernetes**

* **Migrate Jenkins configuration as code deployment** to Helm, Upgrade Jenkins image version and plugins in all environments, write a shell script to backup Jenkins jobs every morning in all environments.
* **Migrate all our microservices deployment to Helm** and get rid of Kubernetes manifest files in all environments.
* **Write Jenkins files to package our microservices** Helm chart**,** push the charts into Github repository, build and push the docker images into AWS ECR, install and delete the chart in Kubernetes cluster.
* **Maintain, upgrade, monitor, schedule Kubernetes cluster** backup using Velero and use the Kubectl command to manage and troubleshoot any issue in the cluster.
* **Create a backup and retention policy for all Kubernetes** namespace using Velero, a disaster recovery plan for Kubernetes, Jenkins, and RDS.
* **Responsible for writing Kubernetes or EKS** declarative manifest files and also imperative commands to create pods, replica sets, services, deployments, scale, rolling updates, and roll-backs in the Kubernetes cluster.
* **Assisted in setting up Kubernetes cluster,** node group from scratch for test and production environment in AWS
* **Configured, monitored CPU and memory limit, request** for containers, and use taint, toleration, and node affinity to schedule pods on desired nodes in the Kubernetes cluster.

**Jenkins**

* **Responsible for managing Git workflow, pull request,** and the whole release workflow from dev, QA, stage till production environment.
* **Create a new environment and set up a pipeline,** multiple pipeline jobs in Jenkins to build, test, deploy our microservices into the new environment, troubleshoot all Jenkins failed jobs, and failed deployment in Kubernetes cluster.

* **Integrate Grafana with OpenID connect** (OIDC) instead of using a default username and password store in the code in all environments.

**Aws**

* **Work on AWS Foundational Security Best Practices** and CIS AWS Foundations Benchmark to make sure that all the resources deployed on AWS through Terraform follow AWS security best practices with the target of getting 100% In all AWS accounts to improve security.
* **Utilized CloudWatch to monitor resources** such as EC2, CPU, memory, EBS volumes, and set alarms for notification or automated actions.
* **Configured autos-calling to automatically** scale servers up and down during peak time based on a scaling policy.