Koita Sacko

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**Summary**

A motivated, dedicated and result-oriented DevOps Engineer with years of hands-on experience with commodious training in setting automated DevOps (CI/CD) pipelines to deploy containerized applications, also willing to learn any new tools. Seeking for a new position where I can positively impact the productivity of an ambitious company and achieve company’s’ goal.

**Skills**

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| * **Cloud Technology**: AWS (EC2, S3, ELB, SNS, CodeCommit, Codebuild, SG, VPC, RDS, Cloudwatch, Route 53, Auto-Scaling) * **Configuration Management Tools**: Ansible * **Container Orchestration**: Kubernetes, Docker * **CI Tools**: Jenkins * **Data Base**: MySQL, MariaDB * **Scripting**: Bash scripting, Yaml, HCL | * **Operating Systems**: RHEL, Ubuntu, CentOS * **SDLC**: Agile, Devops * **Version Tools**: GitHub * **Web Server**: Apache, Tomcat * **Build Tools**: Maven * **Infrastructure as a Code**: Terraform * **Bilingual**: English & French |

**Experience**

DevOps Engineer, Data Services Group, October 2019-Current

Bear, DE

* Creation of continuous integration and designing of continuous delivery using Jenkins, CodeBuild.
* Implementation of build and deployment process using Jenkins, Maven.
* Using AWS as cloud provider to spin EC2 instance to build webapp, database
* Participating in building, maintaining, organizing, and modifying the current infrastructure using Terraform
* Migrate database from on prem to AWS using ECS
* Writing Ansible Yaml playbooks and roles for configuration management and applying them through Jenkins jobs.
* Troubleshoot failed jobs by analyzing jobs logs and resolve issues.
* Participate in production deployment and making root cause analysis to fix production deployments issues.
* Configure Jenkins nodes/slaves to master with SSH and launch agent to distribute the Jenkins master server’s workload. Also configure Maven jobs and freestyle project in Jenkins for a variety of projects.
* Enable Jenkins master to pull the source code from GitHub automatically when there is a new. Use Maven and other automation tools to compile, test, review, package the source code and store the Artifactory.
* Responsible for setting up Kubernetes cluster, node group from scratch for test and production environment in AWS.
* Developed Dockerfiles and Docker Compose configurations to build and manage multi-container applications, achieving higher scalability and availability.
* Implemented Kubernetes for container orchestration, enabling automatic service discovery and load balancing across a cluster of servers.
* Worked with private Docker Hub to store and manage container images, ensuring secure and efficient distribution of images across different environments.
* Utilized Docker's network features to create isolated, virtual networks for microservices, improving security and performance of the overall system.
* Configured and monitored Docker containers using various tools like Prometheus and Grafana, ensuring optimal performance and availability.
* Collaborated with development teams to create a Docker-based continuous integration and deployment pipeline, reducing time to market by 30%.
* Configure, monitor CPU and memory limit, request for containers and use taint, toleration, and node affinity to schedule pods on a desired node in Kubernetes cluster.

Linux System Engineer, Data Services Group, September 2018-October 2019

Bear, DE

* Installation, maintenance, administration and troubleshooting of Red Hat Enterprise Linux.
* RPM and YUM package installations, patch, and other server management.
* Hands on experience of infrastructure and Application Admin, scripting using shell. Expertise on writing shell scripts to perform repetitive tasks.
* Install, configure, and manage LAMP (Linux/Apache/MYSQL/PHP) stacks.
* Developed Cron jobs and shell scripts for automating administrative tasks.

**Education and Training**

Bachelor of Science

Biotechnology, , , Thomas Jefferson University, , Philadelphia PA 2016

Associate of Science

Biology, , , Community College of Philadelphia, , Philadelphia PA 2015