ALAIN FORYIM

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SUMMARY

I am a highly motivated, dedicated, detail-oriented and result driven DevOps/Cloud Engineer with 6 plus years of experience. I specialize in supporting, automating, and optimizing application deployments mostly within AWS by developing automated CI/CD pipelines without compromising security and performance. I also have extensive experience in deploying and managing containerized applications using Kubernetes. Throughout my career, I have exhibited a keen eye for detail, and I possess exceptional communication, problem-solving, and decision-making skills. I am always eager to explore new tools and technologies to enhance performance and simplify deployments.

PROFESSIONAL SUMMARY

* Over 6 years of IT experience in DevOps, AWS, and Linux.
* Proficient in Jenkins for continuous integration and end-to-end automation of all builds and deployments.
* Skilled in version control with **Git/GitHub**.
* Extensive experience using Maven to build deployable artifacts (jar, war, and ear) from source code.
* Competent in configuring quality gates and benchmark thresholds for static code analysis using SonarQube.
* Proficient in Shell Scripting.
* Experienced in configuring Artifactory repositories in Nexus**.**
* Expertise in deploying code through web application servers like **Tomcat, JBoss/WildFly**.
* Proficient in Docker Containerization.
* Skilled in micro-service container orchestration using **Kubernetes**.
* Experienced in provisioning tools like **Terraform and CloudFormation**.
* Familiar with monitoring and management tools such as **Prometheus, Grafana,** and **CloudWatch**.
* Worked extensively with AWS and its services, including **AWS IAM, VPC, EC2, ECS, EFS, RDS, ElastiCache, Route 53, Elastic Beanstalk, S3, Lambda, ELB, Auto Scaling, CloudFront, CloudWatch, CloudTrail, SQS, Transit Gateway, EBS volumes, and SNS.**

**TECHNOLOGIES AND SKILLS**

* Cloud Technologies: Amazon Web Services
* Linux Distributions: Amazon, Ubuntu, CentOS, RHEL
* Web Servers: Nginx
* Databases: MySQL, MSSQL, PostgreSQL, MongoDB
* Load Balancing: AWS ELB, Nginx
* Orchestration: Kubernetes
* Infrastructure Automation: Terraform and CloudFormation
* Configuration Management: Ansible
* CI/CD Tools: Jenkins, AWS CI/CD pipeline
* Monitoring Tools: Prometheus, Grafana, CloudWatch
* Ticketing Systems: ServiceNow, Jira
* Repository Technologies: GitHub, GitLab
* Scripting and programming: Java, Groovy, Shell scripting
* I have used groovy extensively in writing Jenkinsfiles in both declarative and scripted synthax to define and automate builds and deployments in CI/CD pipelines.

**PROFESSIONAL EXPERIENCE**

**DevOps Engineer | Dominion Systems INC | Irving, TX| July 2020 - Present**

* Expanded existing infrastructure to leverage AWS cloud services.
* Automated code builds and deployments based on DevOps/Agile and Continuous Integration/Continuous Delivery principles.
* Established and managed operational and security policies to mitigate risk in AWS-hosted environments.
* Collaborated with development teams to provision scalable and reliable application software in the AWS environment.
* Participated in on-call escalation to troubleshoot customer-facing issues in cloud environments.
* Mentored and trained existing IT Operations personnel on cloud provisioning and best practices.
* Maintained safety, security, and privacy standards across all areas of responsibility.
* Supported development teams by building, maintaining, and scaling infrastructure to accommodate applications used by millions of users.
* Defined branching strategy, permissions, and access management for 10+ engineering teams.
* Managed existing AWS cloud environments, automation, monitoring metrics, disaster recovery/backups, and capacity planning.
* Mentored 8+ junior software engineers in gaining experience and assuming DevOps responsibilities.
* Monitored the performance of systems in the AWS environment, ensuring overall system health, reliability, performance, and cost optimization.
* Led container-based deployments using Docker, working with Docker images, DockerHub, and Docker registries.
* Installed and set up Kubernetes clusters from scratch.
* Facilitated environment and resource provisioning using Terraform and CloudFormation.
* Authored and edited inventory and manifest files, Ansible playbooks, and K8s manifest files.
* Created Ansible playbooks for installation, configuration of servers, user management, access control, file management, deployment, and automation.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test, and deploy.
* Designed infrastructure for high availability and business continuity using self-healing-based auto-scaling architectures.
* Monitored applications using Prometheus and Grafana.
* Architected and implemented continuous integration and deployment pipelines using Jenkins.
* Coordinated and assisted developers in establishing and applying appropriate branching, labeling, and naming conventions using GIT source control.
* Utilized AWS CloudWatch to monitor the performance of environment instances for operational and performance metrics.
* Implemented cloud trail to all regions and encrypted log files with SSE-KMS.

**Junior DevOps Engineer | Dominion Systems INC | Irving, TX | June 2018 - July 2020**

* Installed, configured, and administered Jenkins as a Continuous Integration Server on Linux machines.
* Built and configured Jenkins for continuous integration and continuous delivery.
* Implemented automation of new project builds using Jenkins and Maven as build framework tools.
* Automated the release and upgrade process for applications in Dev, UAT, and Production environments.
* Deployed Java applications to application servers.
* Produced a comprehensive architecture strategy for environment mapping in AWS involving Java web applications.
* Maintained a repository of Java code, performing all Configuration Management activities with a geographically distributed team.
* Worked as a Release Engineer, focusing on release automation for Java technologies to achieve continuous integration and continuous delivery.
* Automated configuration management, application deployments, and cluster cloning using Bash.
* Developed scripts for build, deployment, maintenance, and related tasks using Jenkins, Docker, Maven, and Bash.
* Created and scheduled Bash shell scripts for various activities, including environment verification, running database scripts, and file manipulations.
* Managed IAM Users and Groups, emphasizing the least privilege concept in access management and permissions.
* Wrote Bash shell, Groovy scripts.

**AWS Solutions Architect | AWS Engineer | Vanguard, Malvern, PA | March 2016 to April 2018**

* Spearheaded the successful migration of on-premises infrastructure to AWS cloud, delivering a remarkable 75% reduction in operational costs.
* Expertly managed AWS EC2 instances, encompassing provisioning, patch management, and performance optimization.
* Designed and implemented secure and scalable AWS S3 buckets for data storage, enhancing data management efficiency.
* Championed continuous integration and continuous deployment (CI/CD) pipelines with Jenkins and GitLab, fostering streamlined development processes.
* Collaborated closely with development teams to containerize applications via Docker and orchestrated them using Kubernetes.
* Conducted routine security assessments and audits to maintain AWS environments' compliance with industry standards, fortifying security protocols.
* Provided responsive on-call support and troubleshooting for AWS-related issues, ensuring uninterrupted critical service availability.
* Collaborated with cross-functional teams to assess project requirements, delivering cost-effective cloud solutions that yielded an impressive 95% reduction in overall infrastructure costs.
* Implemented best practices and executed regular security assessments to bolster the security posture of AWS environments, minimizing security vulnerabilities.
* Proficiently managed AWS services, including EC2, RDS, S3, IAM, VPC, and CloudWatch, optimizing resource utilization.
* Oversaw existing AWS cloud environments, focusing on automation, monitoring metrics, disaster recovery/backups, and capacity planning.

Certification:

* AWS Certified: AWS Certified Solutions Architect - Associate

Education:

* Bachelor of Engineering – Computer Engineering
  + Landmark Metropolitan University, Cameroon