ALAIN FORYIM

(701) 215-8604 [foryimalain87@gmail.com](mailto:foryimalain87@gmail.com)

LinkedIn profile: https://www.linkedin.com/in/alain-foryim-56a53b292/

**OVERVIEW**

Highly motivated and dedicated IT professional seeking an environment that encourages continuous learning and innovation. With over 6 years of experience as a DevOps engineer, I excel in supporting, automating, and optimizing application deployments in AWS. My expertise spans the entire Software Development Life Cycle (SDLC), and I possess strong problem-solving, decision-making, and communication skills. I am detail-oriented and always eager to explore new tools and technologies to enhance performance and simplify deployments.

**PROFESSIONAL SUMMARY**

* Having overall 6+ years of IT experience which includes **DevOps, AWS, and Linux**.
* Extensively worked on **Jenkins** for continuous integration and for End-to-End automation for all build and deployments.
* Extensive experience using **Maven** as build tools for the building of deployable artifacts (jar, war & ear) from source code.
* Having experience on version control tool **Git/GitHub/GitLab.**
* Automated nightly build, test, and reporting mechanisms.
* Have experience configuring quality gate and benchmark thresholds for static analysis using **SonarQube**.
* Having good experience on **Shell Scripting**.
* Have experience configuring artifactory repository – **Jfrog** & **Nexus**.
* Expert in deploying the code through web application servers like **Tomcat, JBoss / WildFly**.
* Have experience on Configuration Management tool - **Ansible**.
* Have experience on **Docker** Containerization.
* Experience in the use of micro-service container orchestration looks -**Kubernetes**
* Experience using powerful resource provisioning tools -**Terraform** and **CloudFormation**
* Skilled at leveraging **Terraform** in provisioning **EKS** Kubernetes clusters.
* I have Equally provisioned ready to use Kubernetes clusters using **KOPS.**
* Skilled at configuring monitoring and management tools - **Prometheus** and **Grafana**, **New Relic**
* Great experience in log management using **EFK/ELK.**
* Experience in working on AWS and its services like **AWS IAM, VPC, EC2, ECS, EFS, RDS, ElastiCache, Route 53, Elastic Beanstalk, S3, Lambda, ELB, X-Ray, Auto Scaling, Cloud Front, Cloud Watch, Cloud Trail, SQS, and SNS,**
* Creating/Managing AMIs, Snapshots and Volumes Upgrade Downgrade AWS resources (CPU, Memory, EBS).
* Installing and configuring applications on AWS EC2 Instances.
* Configuring backups to S3 bucket.
* configure and use **dynamoDB** to lock terraform state-files for security in my environment
* Experience in supporting applications in Linux environments.
* Have used AWS X-Ray extensively to monitor and debug distributed applications.
* Have utilized X-Ray andits tracing to identify bottlenecks and improve performance application performance.

**TECHNICAL SKILLS OVERVIEW**

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| Operating System | Linux (Redhat, Ubuntu, CentOS), Windows |
| Version Control Tools | Git/github/GitLab |
| Build Tools | Maven |
| Static Code Analysis Tool | SonarQube |
| Artifactory Repository | Nexus, Jfrog |
| Application Server | Tomcat, Jboss/Wildfly |
| Continuous Integration & Deployment | Jenkins |
| Configuration Management Tool | Ansible |
| Container tool | Docker |
| Container orchestration tool | Kubernetes |
| Resource Provisioning tools | Terraform |
| Containerization Platform | Docker |
| Cloud Services | AWS (EC2, S3, EBS, ELB, IAM, AMI) |
| Programming & Scripting | Shell , Java, Groovy, Java script |
| Bug/Defect Tracking Tool | JIRA |
| Cluster management tools | Prometheus and Grafana, New Relic, Datadog |
| Log Management | ELK/EFK |
| Load balancers | Nginx, HAProxy |

**PROFESSIONAL EXPERIENCE**

**DOMINION SYSTEMS INC.**

**DevOps/Cloud Engineer** June 2017 - Present

Collaborate with cross-functional teams to fortify security practices, gather requirements, and design scalable infrastructure solutions. Orchestrate container-based deployments using Docker and oversee Docker images and registries to facilitate seamless deployments. Establish and manage Kubernetes clusters using KOPS, EKS, and Kubeadm, ensuring smooth installation and setup of clusters. Configure Nginx to proxy RESTful API calls to microservices in Docker containers, improving performance and scalability. Utilize AWS CloudWatch to monitor performance metrics of environment instances, proactively identifying and resolving any operational issues. Lead implementation of Kubernetes charts using Helm, streamlining management and deployment of application resources. Coordinate and assist developers in establishing and applying appropriate branching, labeling, and naming conventions using GIT source control. Leverage Jira and Confluence as tools for tracking vulnerabilities, managing requests and incidents, and documenting workflows and processes.

* Facilitated operational cost savings of 75% by orchestrating migration of microservice application to AWS cloud.
* Achieved 40% faster deployment and improved compliance with DevOps automation standards, enhancing software delivery efficiency by streamlining and managing CI/CD pipeline using Jenkins.
* Reduced deployment failures by 30% and improved overall system stability by pivoting deployment strategies standardization.
* Slashed service downtime to under 2 hours by effectively leading incident response efforts and providing hands-on troubleshooting.
* Implemented self-healing-based auto scaling architectures, ensuring high availability and business continuity for critical applications.
* Improved code quality and coverage by setting quality gate policies on SonarQube, resulting in the identification and mitigation of bugs and vulnerabilities.
* Scaled infrastructure to support significant increase in user base, resulting in improved system performance and user experience.

**VANGUARD**

**Cloud/Engineer** March 2015 – April 2017

**Responsibilities:**

* Championed the setup of CI/CD pipelines with Jenkins and GitLab, streamlining development processes.
* 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
* Oversaw existing AWS cloud environments, focusing on automation, monitoring metrics, disaster recovery/backups, and capacity planning.
* Implemented secure and scalable AWS S3 buckets, optimizing data storage and management efficiency.
* Collaborated with development teams to containerize and orchestrate applications using Docker and Kubernetes.
* Conducted routine security assessments, ensuring AWS environments' compliance and fortifying security protocols.
* Provided responsive on-call support, minimizing service interruptions, and ensuring critical service availability.
* Collaborated cross-functionally to assess project requirements and deliver cost-effective cloud solutions.
* Managed and optimized AWS services (EC2, RDS, S3, IAM, VPC, CloudWatch), enhancing resource utilization.
* Designed infrastructures for high availability and business continuity, implementing self-healing-based auto scaling architectures.
* Implemented best practices and security assessments to minimize vulnerabilities and maintain compliance.

**CERTIFICATION**

* AWS Solution Architect

**EDUCATION**

* Bachelor of Engineering – Computer Engineering