

JOSEPH ASUQUO

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LINUX DEVOPS ENGINEER

PROFESSIONAL SUMMARY

Experienced DevOps Engineer with a modern DevOps mindset and a strong background in cloud technologies, infrastructure automation, Devsecops implementation, continuous integration, Networking, firewall management, and deployment. Skilled in using various DevOps tools and technologies such as Kubernetes, Terraform, CloudFormation, and CI/CD pipelines. Extensive experience in managing and automating complex platforms on AWS, as well as knowledge of RDBMS and NoSQL technologies. Solid understanding of observability practices and security assessment frameworks. Proficient in working in a remote agile environment and collaborating with cross-functional teams. Fluent in English with outstanding communication skills and an outstanding Team player.

SKILLS SUMMARY

- Cloud Technologies: AWS, Azure
- Infrastructure Automation: Terraform, CloudFormation, Ansible
- Continuous Integration and Deployment: Jenkins, GitLab, GitOps
- Containerization & Orchestration: Docker, Kubernetes, Red Hat OpenShift
- Monitoring and Logging: CloudWatch, ELK Stack, Nagios, Splunk, Prometheus, Grafana
- Scripting: Bash, Python
- Operating Systems: Linux, Windows
- Database: RDBMS, NoSQL
- SDLC: Agile methodology, Scrum
- Secrets Management: AWS Secret Manager, Hashicorp Vault, Kube Secrets.
- Helm Package Manager
- Devsecops: SCA, SAST, DAST, IAST, RASP

PROFESSIONAL EXPERIENCE

DevOps Engineer (remote)

August 2022 till date

Bloomy Technologies

- Developed and maintained CI/CD pipelines using Git, Docker, and Jenkins to improve application deployment efficiency by 20%.
- Directed system administration activities for both Linux and Windows environments
- Collaborated with development teams to ensure smooth integration and deployment of applications.
- Troubleshoot and resolved issues in production environments.

- Consulted with product teams on DevSecOps Maturity Assessments, implementing a shift left approach providing guidance and recommendations to enhance their security practices.
- Reviewed system architectures through the lens of an attacker using the Threat Model framework, using IDS systems, Infection Monkey, identifying potential vulnerabilities and suggesting mitigation strategies.
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- Participated in Agile/Scrum ceremonies and contributed to continuous process improvement.
- Designed and implemented monitoring and logging solutions using CloudWatch, ELK Stack, and Prometheus.
- Managed infrastructure-as-code using Terraform and CloudFormation templates.
- Led migration of on-premises applications to the cloud, optimizing infrastructure costs by 20%.
- Deployed and integrated SonarQube for SAST in a CI/CD pipeline to improve code quality and continuous security testing approach.
- Implemented Docker containers, resulting in a 28% increase in developer efficiency and a 12% reduction in server management costs.
- Executed diverse monitoring setups, achieving 80% infrastructure insight and management.
- • Installed Helm package manager for application deployment.
- Documented infrastructure and processes for knowledge sharing and onboarding of new team members.

Projects

- Designed and implemented a cloud-based infrastructure for a healthcare company using AWS, Cassandra, and Terraform. The infrastructure included multiple Kubernetes clusters and a CI/CD pipeline using Git, Docker, and Jenkins. The project resulted in increased scalability, reliability, and cost savings for the company.
- Managed the deployment and integration of DevOps tools to build Standard CI/CD pipelines and scaling of high-traffic e-commerce applications.
- Developed automation scripts using Python to streamline the deployment process and improve reliability. The project resulted in a significant increase in application availability and a reduction in deployment time.
- DevSecOps shift right implementations to ensure application safety and vulnerability mitigation.
- Collaborated with development teams to deploy and manage a microservices architecture using Kubernetes and Azure. Implemented monitoring and alerting using Prometheus and Grafana, resulting in improved visibility and faster incident response times.

Linux DevOps Engineer(remote)

Bao Systems

June 2017 – August 2022

Abuja, US

- Developed and maintained deployment scripts for web applications using Bash and Python.
- Set up and maintained build servers and continuous integration using tools like Bamboo, Jenkins.
- Designed and implemented monitoring and logging solutions using Zabbix, Logstash, and Kibana.
- Worked with development teams to troubleshoot and resolve application code and infrastructure issues.

- Executed Infrastructure automation solutions using Terraform (infrastructure as code), Cloud formation Templates, and Ansible for configuration management, increasing operational productivity by 14.5%.
- Designed new architectures with Amazon Web Server (AWS) for a lift and shift style transfer.
- Built Staging and Dev Environments for Azure Pipelines
- Deployed Dhis2 web Applications with Apache as the web server, Nginx as a reverse proxy
- Overseeded a group of 3 DevOps experts in the transfer from Digital Ocean to AWS, saving the organization #1 million per year while boosting efficiency by 5%.
- Reduced monthly cost by 23% by removing unnecessary databases and servers

Project

- Deploy custom Java-based applications for clients using cloud formation on AWS.
- Deployed a highly available WordPress Application using Aws Beanstalk
- Artifact management using docker, Jfrog
- Implement SAST In Devops CICD Pipelines for Applications

INFRASTRUCTURE SPECIALIST

April 2014 – June 2017

Huawei

Lagos, Nigeria

- Orchestrated the design and implementation of the CI/CD pipeline using Jenkins, GitHub, and Ansible for a multi-tier web application with 10+ services.
- Worked on the deployment and management of Docker containers in production using Kubernetes and Docker Swarm.
- Developed automation scripts using Bash for infrastructure provisioning and configuration management.
- Conducted security assessments and implemented security measures to secure the infrastructure.
- Created and maintained infrastructure monitoring using tools like Nagios and Zabbix.
- Collaborated with development teams to ensure smooth release management and deployment processes.

EDUCATION

- **Bachelor of Computer Science** **June 2006 - June 2010**

Covenant University, Ota, Ogun State, Nigeria

SOFT SKILLS

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|-----------------------|-----------------------|
| ✓ Communication | ✓ Collaboration |
| ✓ Continuous Learning | ✓ Problem-Solving |
| ✓ Time Management | ✓ Attention To detail |

TECHNICAL SKILLS

- **VERSION CONTROL:** GIT, BITBUCKET, JIRA

- **SCRIPTING AND AUTOMATION:** BASH, PYTHON
 - **CONTINUOUS INTEGRATION AND DELIVERY**
 - **CONFIGURATION MANAGEMENT:** ANSIBLE
 - **MONITORING AND LOGGING:** CLOUDWATCH, ZABBIX, SPLUNK, PROMETHEUS
 - **NETWORKING:** DNS, TCP/IP, HTTP, CDN, WAF, AND SSL/TLS, BGP, VPN, IGRP, VRF, VLAN, IPsec
 - **CLOUD COMPUTING:** AWS, AZURE
 - **ARTIFACTORY:** JFROG
 - **SECURITY:** DEVSECOPS, THREAT MODELING, AND RISK ASSESSMENT , AWS IAM, AZURE SINGLE_SIGNON
 - **TICKETING:** JIRA, FRESH DESK
 - **CONTAINERIZATION:** DOCKER, KUBERNETES.
 - **INFRASTRUCTURE AUTOMATION:** TERRAFORM, CLOUD FORMATION TEMPLATES.
 - **DATABASE MANAGEMENT:** SQL, POSTGRESQL, MYSQL
 - **CONTINUOUS MONITORING:** NAGIOS, ZABBIX, CLOUDWATCH .
 - **WEB SERVERS:** APACHE, NGINX, TOMCAT, WEBLOGIC
 - **ITSM:** INCIDENT MANAGEMENT, PROBLEM MANAGEMENT, CHANGE MANAGEMENT ,SLA,RELEASE MANAGEMENT
ETC
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