

Basile Mbah

VISA STATUS: USA CITIZEN

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OBJECTIVES

SRE - DevOps Engineer, experienced in Implementing CI/CD tools, Server Provisioning, Monitoring Large Scale Production Systems Running on both On-Prem and Cloud, AWS, environments. Excellent Debugging and Managing Services on various Linux distributions; Ubuntu, RedHat, CentOS. Good written and Oral Communication skills, team player and enjoy developing working relationships with coworkers.

CORE SKILLS	
Operating Systems	RHEL 6, 7, and 8, CentOS, Fedora, Ubuntu, Windows
Storage	LVM, NFS, AUTOFS, EBS, EFS
Cloud	AWS: EC2, S3, IAM, VPC, ELB
Virtualization	KVM, VMware, Oracle VM
Networking Protocols	TCP/UDP, DNS, DHCP, FTP, VPC. IP, Syslog, SAMBA, HTTPD, Tomcat Apache, Java, SMTP
Languages	Python, YAML, Bash scripting
DevOps Tools	ANSIBLE, GITHUB, DOCKER, JENKINS, MAVEN, SONARQUBE, NEXUS, KUBERNETES, TERRAFORM, MongoDB
Monitoring	NAGIOS, NEW RELIC
Ticketing	Jira, ServiceNow.
Applications/Servers	Apache, Tomcat, Kickstart, Putty, Nginx, Windows/Microsoft Office, NTP, JBOSS

EDUCATION AND CERTIFICATIONS

- BSc.
- Udemy AWS Certified Solutions Architect - Associate 2020

PROFESSIONAL EXPERIENCE:

DevOps Engineer - Dominion Systems Inc

January 2018 – Present

Managing multi-tier enterprise and web application deployment in Kubernetes leveraging AWS resources.

- Used Terraform and Ansible scripts to provision and configure EKS, VPC, Route53, EC2 instances, etc. in AWS cloud and GCP.
- Installed and Configured the Nexus repository manager for sharing the artifacts within the company.

- Hardened/Secured servers by patching, enforcing SELinux, firewalls, and setting up password policies as required by the company.
- Wrote simple bash scripts to upgrade the kernel and patch servers.
- Installed Packages using yum and rpm on various servers.
- Created CI/CD pipelines on Jenkins and set up auto triggers like poll SCM, build periodically, and GitHub webhooks.
- Installed and configured Grafana to constantly monitor network, memory usage, and hard drive status
- Managed GitHub and Dockerhub repositories and permissions, including branching and tagging.
- Data engineering, built ETL pipeline, and analytics visualizations as part of an initiative to move toward a data-driven business model, providing useful reporting and metrics for driving business decisions. Leveraging multiple sources, including Excel, adobe analytics, Splunk, and python for analysis.
- Created and maintained fully automated CI/CD pipelines for code deployment
- Actively managed, improved, and monitored cloud infrastructure on GCP, and AWS Cloud, including backups, patches, and scaling.
- Configured and deployed highly available scalable applications AWS Cloud using EC2, RDS, S3, ELB, Auto Scaling and monitored these applications with Cloud watch, Grafana, and AWS SNS.
- Built and deployed Docker containers to break up monolithic apps into microservices, improving developer workflow, increasing scalability, and optimizing speed using AWS Elastic Container Service.
- Created and maintained documentation and SharePoint on processes in GitHub and procedures for project activities.
- Monitoring and log management on UNIX, and Linux servers, including processes, crash and swap management, and performance tuning.
- Created and administered User accounts, manages User security, password recovery, aging, and complexity.
- Using bash shell scripting to schedule and automate processes including full and incremental backups using tar, crontab, and snapshots; migrating and enlarging file systems on Solaris 10 and Linux.
- Maintain and troubleshoot system performance, running processes, and application issues.
- Used GIT & GitHub as SCM tools, created branches, and tags, and provided access permissions to developers on various branches. Created organizations, repos when needed, and granted required access.
- Integrated SonarQube with Jenkins for continuous inspection of code quality, unit tests, and bug tracking.
- Building and configuring Kubernetes Clusters ensures that nodes/pods can auto-scale, communicate with each other, and load balance.
- Strong experience in enhancing security configuration in Linux, Docker, and Kubernetes.

Linux/DevOps Engineer - Beyond Teknologies, Sterling, VA

March 2016 – Jan 2018

- Participated in the migration of physical Linux/Windows servers to Aws cloud.
- Identified and troubleshoot network-related issues TCP/IP, DHCP, and DNS.
- Wrote and modified Ansible playbooks to automate servers and to manage Web Applications, Config Files, databases, and Packages.
- Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
- Hardened/Secured servers by patching, enforcing SELinux, firewalls, and setting up password policies as required by the company.
- Wrote simple bash scripts to upgrade the kernel.
- Installed Packages using YUM and RPM on various servers.
- Scheduled various regular, periodic, future, and queue tasks by using crontab.
- Wrote Terraform scripts from scratch for provisioning Dev, staging, and prod environments.
- Performing UNIX administration, including changes, disk space management, application installations, and backups.
- Configured files systems using LVM and also added Swap space where necessary.
- Created and managed Disk/Partitions in Ubuntu, Centos, and RHEL.
- Created and Managed File systems, Mount points, and Volumes in Unix/Linux.