# **Nathan Chufor 2059 Eveleth Avenue San Leandro, CA 94577**

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**PROFESSIONAL SUMMARY**

Skilled DevOps Engineer with 4+ years of experience in automating the provisioning of AWS infrastructures, Creating, managing, and maintaining the CI/CD pipeline infrastructure, managing various branches of Git, continuous monitoring of running applications and systems, and supporting DevOps processes in Dev, QA, and Prod environments. Highly experienced working with cross-functional teams to build and automate repetitive processes to reduce bottlenecks in the CI/CD pipeline. Dedicated to creativity and continuous improvement as a practice. Possess strong communication, teaching, and negotiation skills. Capable of leveraging both team and individual strengths to enhance the processes of building secure, reliable, and low maintainability software that satisfies the clients' needs. Determined to facilitate collaboration among different teams, set rigid timelines, and contribute to larger project goals in the company.

**TECHNICAL SKILLS & TOOLS**

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| **Version Control Systems** | **Git, GitHub, Bitbucket** |
| **Build Automation Tools (CI/CD)** | **Maven, and Gradle** |
| **Infrastructure As Code (IAC)** | **Terraform, Terragrunt, AWS Cloud formation, Ansible/Boto3/PythonPips** |
| **Scripting Languages** | **Yaml, and Bash Shell** |
| **Containerized Engine** | **Docker** |
| **CI/CD Tools** | **Jenkins Control, Jenkins Agent, GitOps, GitHub Actions** |
| **Continuous Code inspection** | **SonarQube Server** |
| **Unit, Integration, and System Tests tool** | **Selenium Grid 4 and Docker-compose** |
| **Database Systems** | **PostgreSQL, RDS, DynamoDB MySQL** |
| **Image and Container Repositories** | **Docker Hub and Amazon ECR** |
| **Operating Platforms: Linux flavors** | **Centos/RHEL 5,6, 7, &8, Ubuntu, Debian** |
| **Container Orchestration** | **Kubernetes (Google Kubernetes Cluster), Amazon Elastic Kubernetes Services (EKS), Kubernetes Operations (KoPs)** |
| **Cloud Platforms** | **AWS, and Google Cloud Platform** |
| **Configuration Tools** | **Ansible, Puppet, and Chef** |
| **Change Request Management** | **Service Desk Plus and Service Now** |
| **User Story/ Goal visualization & Steps Management, Planning, Bug Fixing, Documentation, and Tickets** | **Jira/Kanban Board, Confluence and Microsoft Team** |
| **Continuous Monitoring** | **Nagios and Splunk, AWS Cloudwatch & Alarms** |
| **Binary Repositories** | **Jfrog and Nexus** |
| **Real Time Continuous Communication** | **Slack** |
| **Patching** | **Server Hardening and Kernel Management** |
| **Web/ Application Servers** | **Nginx, Apache Tomcat** |

**EXPERIENCE**

DevOps Engineer

January 2018 to Current

* Experience with managing git branching and version control system tools, Git, and GitHub.
* Experience in collaborating with Dev Team through continuous communication to ensure the developers are able write the code elegantly and as per the application requirements.
* Experience with provisioning and integrating SonarQube servers with Standalone Jenkins in the Dev environment to support continuous inspection of the code quality, reliability, maintainability, noncompliant and compliant issues.
* Experience in continuous training of Developers on using code and scanning inspector (SonarQube) to ensure continuous improvement of the code quality and the security of the application.
* Experience with using docker-compose YAML file to create and support the QA team to provision Selenium Grid 4 infrastructure to carry out parallel unit, integration, and system tests.
* Experience supporting and communicating with the developers to enhance smooth movement of the code to further stages of the CI/CD pipeline such as cloning, testing integration, and deployment.
* Experience using terraform to automate provisioning of AWS three-tier infrastructure and resources.
* Experience with using Terraform to automate modification of the AWS infrastructure and resources.
* Experience with using Terraform to automate upgrading of AWS infrastructure as needed.
* Experience with using Terraform to automate the versioning of the AWS infrastructure.
* Experience with using Terraform to automate cleaning up of outdated AWS infrastructure.
* Experience with writing Terraform declarative configuration files.
* Experience running terraform lifecycle in the terraform enterprise cloud.
* Experience running terraform life cycle on premise and storing the terraform state remotely to enhance team collaboration and manage secure access to the state.
* Experience with provisioning scalable, secured, efficient, and robust Jenkins CI/CD pipeline
* Responsible for installing and configuring the Jenkins's control, dynamic(K8s) and static agents to scale the CI/CD pipeline to execute multiple jobs simultaneously.
* Responsible for supporting the existing infrastructure and creating new ones when needed to ensure smooth running of CI/CD pipeline.
* Troubleshoot, analyze, and fix the CI/CD pipeline daily technical issues.
* Experience with writing declarative Jenkins’s pipeline scripts to automate the process of cloning, build automation, packaging, and deployment to the staging area of production.
* Experience using Jenkins’s plugins to integrate CI/CD tools such as Git, Docker, SonarQube, Terraform, Ansible, Jira, Slack, Nagios, and Kubernetes.
* Experienced using Maven build automation tool to compile, link, package, test, and create java artifacts.
* Experience using Gradle build automation tool.
* Responsible for integrating SonarQube with Jenkins to allow continuous inspection and review of code through static analysis
* Engage in training, observing, and enhancing the principles of DevOps methodologies at work.
* Responsible for providing support to the servers and running applications in the PROD environment.
* Responsible for ensuring all critical notifications about the running applications and systems are attended to and solved through collaboration with different teams.
* Experience working with configuration management tools such as Ansible to automate configuration and management of new and existing CI/CD infrastructure.
* Experience with using ansible-vault to encrypt sensitive information in the inventory YAML files.
* Experience using the docker plugin to build image applications, deploying them in Docker hub or Amazon Elastic Container Registry (ECR) using Jenkins.
* Experience creating and configuring Kubernetes Cluster on AWS and Google Cloud Platform.
* Write and validate the Kubernetes manifests YAML files using Datree before deploying in the testing, staging, or live production environment.
* Install Prometheus Operator with Grafana using kubectl and helm to store and visualize time series data (metrics) of the containerized applications running on Kubernetes Cluster.
* Experience with deploying ELK stack for collecting, storing, and analyzing Kubernetes telemetry data.
* Experience with creating service accounts in relevant namespaces.
* Provision Dynamic Jenkins agents using Kubernetes pods to create a ROBUST, SCALABLE, EFFECTIVE, EFFICIENT & SECURE CI/CD pipeline.
* Create Dynamic Persistent Volume Claims for use by different machines (processes) in the cluster.
* Install Kubernetes plugin to integrate and establish connection between controlled Jenkins and Kubernetes Cluster.
* Experience using YAML file to create RBAC Kubernetes API objects to grant and impose access restrictions to the cluster resources.
* Participate in daily standup meetings to discuss and collaborate with other teams to improve system performance and automation capabilities.

LINUX SYSTEMS ADMINISTRATOR

DATA SERVICE GROUP INC | BEAR, DELAWARE 02/2015 - 02/2017

* Experience in scripting using the Bash shell language on Linux.
* Configuration users/groups administration, files/directories, security, authentication, and access management (SSH, Firewalls).
* Wrote and modified various bash shell scripts to accomplish day to day administrative activities.
* Resolved package Management dependency issues.
* Installed, configured, and deployed site LAMP stack Server, APACHE, MySQL, PHP, and Nagios on Linux platforms.
* Troubleshooted and accessed log files for errors and web access traffic.
* Troubleshooted boot issues, identified and resolved service failures affecting boot.
* Experienced with Day-to-day, hands-on work building, patching, and maintaining Linux systems in a highly virtualized (VMware) environment.
* Managed physical, virtual, and network storage Logical Volume Manager, Network Attached Storage (LVM’s, NAS).
* Configuration and management of network services (HTTP, NFS, SCP NTP).
* Provided service desk help to assist customers with incident resolution or service request management.
* Installed and configured update, performed periodic system upgrades and patched the Linux Server
* Installation of patches and packages using RPM and YUM in Red hat Linux

**EDUCATION**

April 2016 University of Bamenda- Cameroon Bambili, Northwest

Higher Technical Teachers Training