Fabrice Nguenouho | **(945) 300 3032** | **fabricenguenouho16@yahoo.com**

SUMMARY

DevOps Engineer with 5 years of experience in CI/CD pipelines, software optimization, and AWS management. Proven track record of enhancing deployment efficiency and reducing downtime. Skilled in Linux administration, build automation, and cloud solutions. Looking to leverage DevOps expertise to boost team productivity and cut operational costs.

KEY SKILLS

- Container Technologies: Docker, Kubernetes
- Programming Languages: Python, Shell Scripting, HCL, YAML
- Version Control System: Git, GitHub
- Configuration Management: Ansible
- Infrastructure as Code: Terraform
- Continuous Integration and Continuous Delivery (CI/CD): Jenkins
- Operating System: Linux
- System Monitoring and Optimization: Prometheus and Grafana
- AWS Cloud Services: VPC, EC2, S3, RDS, IAM, Route 53, Load balancing, NAT Gateway, Autoscaling, Subnet, API Gateway, EKS, CloudWatch, AWS CLI, ECR, ECS, AWS Lambda, CloudFront, CloudTrail, SNS, dynamodb
- Database Technologies: Redshift (PostgreSQL), MySQL
- Collaboration and Communication Tools: JIRA

PROFESSIONAL EXPERIENCE

Data Service Group | August 2019 – Present
DevOps Engineer

- Developed a serverless user registration API with AWS API Gateway, Lambda, and DynamoDB for scalable user data management.
- Designed AWS infrastructure for a student-teacher app with VPC, multi-AZ subnets, Load Balancer, API Gateway, and security groups for scalability and security.
- Strengthened system security, scalability, and performance with AWS IAM security measures, performance tuning, and optimized infrastructure for high availability
- Automated periodic removal of old logs on servers triggered by Prometheus and Grafana alerts, improving operational efficiency.
- Contributed to the middleware team by automating Jenkins installation and configuration, enhancing deployment efficiency.
- Deployed Jenkins servers in development, quality assurance, and production environments using Terraform for automated provisioning and configuration.
- Installed Java environments with Ansible, including JDK installations, to support scalable and efficient application deployments.
- Configured Apache servers using Ansible playbooks to optimize performance and ensure secure web application delivery in a high-availability environment.
- Supported software development with CI/CD pipelines, integrating Jenkins CI/CD with Kubernetes for containerized apps. Automated testing and deployment to streamline releases.
- Containerized applications using Dockerfiles to ensure compatibility with EKS, optimizing deployment efficiency and scalability in AWS environments.
- Deployed microservices applications on Kubernetes, utilizing Service Discovery, Load Balancing, and Ingress Controllers to ensure independent and efficient operation within the cluster.
- Enforced Kubernetes security best practices with network policies, RBAC, and vulnerability monitoring, ensuring compliance with organizational and regulatory standards.
- Optimized container resource limits, reducing infrastructure costs by 15% while maintaining application performance.
- Managed and maintained Kubernetes clusters, ensuring high availability and scalability for containerized applications.
- Collaborated on Agile-based development of a multi-tier AWS application with cloud engineers, addressing various user stories effectively.

- Applied Kubernetes Resource Quotas to manage and restrict team-specific resource utilization in shared clusters, optimizing efficiency and allocation.
- Analyzed production application errors, developed proactive monitoring with Prometheus and Grafana to resolve performance issues.

Data Service Group | April 2018 – July 2019

Linux System Administrator

- Utilized LVM for disk partitioning and analysis, optimizing disk usage and creating efficient disk partitions.
- Performed and managed system backups and replications using third-party solutions and local RHEL tools (e.g., tar, gzip)
- Monitored system logs, performance, and capacity planning to anticipate and address resource usage needs.
- Executed basic container management tasks, including running, starting, stopping, and listing containers.
- Linked persistent storage to containers to maintain data consistency.
- Scheduled regular, periodic, and queued tasks using crontab for efficient job automation.
- Managed Linux server patching, ensuring timely updates and security patches to maintain system integrity and compliance.
- Maintained system security by monitoring user activity with secure logs and tools like who and last.
- Handled permissions by listing, configuring, and modifying them.
- Performed file and directory operations including creation, deletion, copying, and relocation.
- Executed file and directory tasks such as creation, deletion, copying, and movement.
- Started and stopped services, and configured them for automatic start at boot.
- Created, deleted, and modified local groups and their memberships.

Telecommunications Computing and Services | October 2014 – January 2017

Help Desk Support

- Troubleshot and resolved 95% of hardware and software issues on desktop computers within 24 hours.
- Delivered technical support to users, achieving a 90% satisfaction rating in post-support surveys.
- Installed and configured software applications for 50 employees, reducing setup time by 30% and improving productivity.
- Helped implement system updates and upgrades, handling testing and validation.
- Diagnosed and repaired hardware issues, coordinating with vendors for complex repairs.
- Achieved 95% first-call resolution and reduced help desk response time by 20%.
- Analyzed user feedback to improve support processes and increase satisfaction.
- Ensured regular backups and supported data recovery efforts as needed.
- Offered remote support through desktop tools to assist users located off-site.
- Maintained and updated system and user documentation to reflect current changes and procedures.
- Managed IT asset inventory for computers, peripherals, and software licenses, ensuring accurate tracking and compliance.

EDUCATION

- 2017 **Master Degree, Physics |** University of Yaounde 1
- 2012 **Bachelor Degree, Physics |** University of Douala
- 2007 **High School Diploma** | High School of Oyack

CERTIFICATES

Kubernetes Administrator

Red Hat System Administrator