



NGINYU LEVIS NGAKOP

PROFESSIONAL SUMMARY

With five successful years as an experienced DevOps Engineer, I specialize in designing, implementing, and managing cloud infrastructures. My expertise lies in efficient DevOps methodologies, including proficiency in AWS services, infrastructure as code tools, and microservices architecture. I have extensive skills in optimizing software delivery to production using technologies such as Terraform, Ansible, Kubernetes, Docker, Git, GitLab, Jenkins, SonarQube, Nexus, Helm, and AWS services. Additionally, I possess a strong understanding of cloud cost optimization strategies and the implementation of monitoring systems for incident response. I am dedicated to assisting companies in achieving seamless and efficient cloud operations while maximizing resource utilization.

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Dschang,
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EDUCATION

Master's Degree
University of
Dschang,
Dschang, July
2019

LANGUAGES

English C1

Proficient

French B2

Advanced

TECKNICAL SKILLS

- Linux System admin
- AWS Cloud Engineering
- Relational Databases
- Cloud Watch
- Harshicorp Vault
- Git, Maven, Selenium
- Jenkins CI/CD
- Gitlab
- Docker
- Kubernetes
- Nexus
- Helm
- Istio
- Terraform
- Ansible
- Prometheus and Grafana
- Jira/Confluence
- Datadog
- Tableau Server
- Tableau Cloud
- Bash/Shell, PowerShell and Python
- SonarQube

SOFT SKILLS

- Communication
- Collaboration
- Attention to details
- Adaptability
- Team Player
- Continuous Learning
- Accountable
- High moral standards

WORK HISTORY

October 2020 - Current

Paradigm IT Solutions LLC - DevOps Engineer, Remote

- Engineered and deployed scalable cloud infrastructure on AWS, utilizing services like ECS, S3, Lambda, EKS, and KOPs. This resulted in a significant 40% reduction in infrastructure expenses for clients.
- Configured advanced AWS network services, including VPCs, VPN, API Gateways, Route 53, Security Groups, Content Delivery Networks, and more, to ensure secure connectivity between front-end and backend applications.

- Developed and optimized scripts in Python and Bash to automate routine system administration tasks, such as log management, data backups, and software updates. Utilized scripting to implement cloud cost optimization strategies, reducing unnecessary resource usage and achieving a 30% reduction in cloud expenses, which increased operational efficiency and cost-effectiveness.
- Set up and managed Encryption as a Service tool using Hashicorp Vault for secure user authentication into sensitive AWS data. This included creating dynamic secrets, policies, and authentication methods with AIM, Kubernetes, GitHub, and other tools for various roles and tasks. These measures greatly improved security and efficiency.
- Designed and automated CI/CD pipelines (Pipeline as Code) for multiple software projects using CodePipeline, GitLab, and Jenkins. This resulted in a 50% reduction in release cycles and a 70% increase in deployment frequency.
- Implemented containerization using Docker for efficient deployment and management of applications. Successfully deployed LAMP and LEMP stacks, integrated Docker init, overlay networks, and volume mounts. This reduced server provisioning time by 80% and achieved a 90% faster application scaling.
- Orchestrated containerized applications using Kubernetes and Docker Swarm to ensure efficient resource utilization, scalability, and continuous deployment. Created various K8s deployments (Canary, Blue/Green, rolling upgrades, etc.), package installations (using Helm), and managed Role-based Access Control (namespaces, cluster roles, role binding, etc.). These efforts resulted in a 30% improvement in application performance, scalability, and streamlined deployment workflows.
- Provisioned AWS underlying resources for different AWS Regions and Availability zones using Infrastructure as Code (IaC) with CloudFormation and Terraform. Managed states, encryptions, modules, and variables, and integrated Terragrunt for maintaining dry and secure codes.
- Implemented monitoring and logging solutions using tools like CloudWatch, Prometheus, Grafana, and Datadog. These tools were used for scraping metrics, logs, alerts, and system performance, resulting in a 20% reduction in mean time to detect and resolve issues, and a 40% improvement in overall system stability.
- Experience in maintaining and optimizing relational and NoSQL databases, including MySQL, PostgreSQL, and MongoDB, ensuring high availability, performance, and data integrity across various applications.
- Set up and managed Role-based Access Control and Access-based Control for multiple Linux distributions such as Ubuntu, RedHat, Debian, and Linux Mint. Automated scripts using Bash/Shell and PowerShell, resulting in a 65% increase in speed and efficiency in code delivery.

February 2018 - September 2020
xFusionCorp – AWS DevOps Engineer, Remote

- Implemented and configured vault servers for production environment, enabling secure user access over websites with dynamic secrets and encrypted keys; led to a 50% enhancement in access control and security measures
- Leveraged serverless architecture with AWS Lambda to write Python and Node.js scripts for cost optimizations. Integrated Lambda functions with CloudWatch to trigger alerts when idle resources were detected, resulting in improved cost efficiency by identifying and addressing resource wastage.
- Demonstrated expertise in configuring and managing load balancers and reverse proxies, such as Nginx and Traefik, to optimize traffic distribution and enhance application performance. Possess a strong understanding of networking protocols, including TCP/IP and routing, as well as experience in configuring firewalls to ensure secure and reliable network operations.
- Worked with cloud architect to generate assessments and develop actionable recommendations based on results and reviews, resulting in a 30% improvement in cloud infrastructure efficiency and cost optimization.
- Automated infrastructure provisioning and configuration using Terraform and Ansible with Dynamic Inventory, reducing manual effort by 70% and ensuring consistent and reliable infrastructure deployments.
- Experience with Configuration Management automation tool Ansible and has worked on integrating Ansible YAML Scripts. Used Ansible for configuring and managing multi-node configuration management over SSH.
- Provided firewall and VPN management, security, and incident response, reducing security incidents by 50% and ensuring compliance with industry standards and regulations.
- Analyzed and defined network requirements, optimization, and enhancements, resulting in a 25% improvement in network performance and reliability.
- Managed Linux systems with Ubuntu, managed users' authentications, permissions, and files, troubleshoot different system failures and made secure patches which increased the security and health of applications and devices.