RN

RODRIECH NYUGAB NKARAKWI

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Summary

Results-driven DevOps Cloud Engineer with over 6+ years of experience, specializing in building secure, scalable, and highly automated cloud platforms. Proven track record of architecting AWS environments supporting 1M+ monthly users, implementing zero-downtime CI/CD pipelines, and reducing MTTR by 40% through observability and incident response optimization. Experienced in Kubernetes, Docker, Terraform, GitOps, and distributed systems reliability engineering. Passionate about building infrastructure that accelerates developer velocity while maintaining enterprise-grade security and compliance.

Skills

- **Cloud Architecture (AWS / Azure)**

Designed and architected secure, scalable cloud infrastructure across AWS and Azure environments, enabling high-availability workloads supporting production systems. Improved system resilience and reduced infrastructure provisioning time by standardizing multi-region architecture patterns.

- Infrastructure as Code (Terraform / CloudFormation)

Provisioned and managed infrastructure using Terraform and CloudFormation to automate environment creation across dev, staging, and production. Eliminated manual configuration errors, reduced deployment time by over 60%, and ensured infrastructure consistency through version-controlled IaC modules.

- Cloud Migration (On-Prem → Cloud / Hybrid)

Led migration of on-premises workloads to AWS cloud environments, redesigning legacy architectures into scalable, cloud-native solutions. Reduced operational overhead, improved scalability, and enhanced disaster recovery capabilities through re-architected cloud deployments.

- Secure Cloud Networking (VPCs, Subnets, VPNs, Load Balancers)

Designed secure VPC architectures with private/public subnets, NAT gateways, VPN connections, and load balancers to isolate workloads and enforce traffic control. Strengthened network security posture while improving application availability and fault tolerance.

- Identity & Access Management (IAM / RBAC)

Configured granular IAM policies and role-based access controls to enforce least-privilege access across cloud resources and Kubernetes clusters. Reduced security risks and ensured compliance with internal governance standards.

- Monitoring & Logging (CloudWatch, Azure Monitor, Datadog)

Implemented centralized logging and monitoring solutions using CloudWatch, Azure Monitor, and Datadog to improve

- Cloud Cost Optimization

Analyzed cloud usage patterns and implemented rightsizing, reserved instances, and autoscaling strategies to reduce infrastructure costs while maintaining performance. Improved cost efficiency without compromising reliability.

- Backup & Data Protection

Managed automated backup policies, snapshot lifecycles, and cross-region replication to safeguard critical workloads. Strengthened data resilience and ensured compliance with organizational recovery objectives.

- Production Troubleshooting & Performance Optimization

Diagnosed and resolved production incidents involving latency, scaling issues, and infrastructure misconfigurations. Improved application stability and reduced incident recurrence through root cause analysis and remediation automation.

- Cloud Security

Implemented security best practices including encryption at rest/in transit, security groups, WAF policies, vulnerability scanning, and compliance monitoring. Strengthened cloud security posture and mitigated potential attack vectors.

- Containerization (Docker / EKS)

Containerized applications using Docker and deployed them to Amazon EKS clusters to enable scalable, portable workloads. Improved deployment consistency and enhanced application scalability through Kubernetes orchestration.

- Configuration Management (Ansible / Patch Management)

Automated system configuration and patch management using Ansible and system patching tools to ensure environment consistency and reduce configuration drift. Improved security compliance and reduced manual maintenance efforts.

- CI/CD Infrastructure Provisioning

Designed and maintained CI/CD pipelines integrating infrastructure provisioning and application deployment

system observability. Reduced MTTR by enhancing alerting accuracy and proactively identifying performance bottlenecks.

- High Availability & Disaster Recovery

Designed multi-AZ and multi-region architectures with automated failover strategies and backup replication. Increased system uptime and ensured business continuity through well-defined RTO/RPO strategies.

workflows. Enabled zero-downtime deployments, accelerated release cycles, and improved developer productivity through automation.

Experience

Firmex INC | Toronto, Ontario
DevOps & Cloud Engineer
02/2021 - 10/2025

- Architected and maintained scalable, production-grade cloud infrastructure on AWS supporting secure document-sharing platforms with high availability and strict compliance requirements.
- Designed and provisioned infrastructure using Terraform and CloudFormation, reducing environment setup time by 60% and eliminating configuration drift across dev, staging, and production environments.
- Containerized core application services using Docker and deployed workloads to Amazon EKS, enabling autoscaling and improving deployment consistency across environments.
- Implemented secure VPC architectures, private subnets, load balancers, and VPN configurations to strengthen network isolation and enhance system resilience.
- Built and optimized CI/CD pipelines integrating infrastructure provisioning and application deployment, enabling zero-downtime releases and accelerating deployment cycles.
- Improved observability by implementing centralized monitoring and logging using CloudWatch and Datadog, reducing MTTR through proactive alerting and incident response automation.
- Strengthened cloud security posture by enforcing IAM least-privilege policies, encryption at rest/in transit, WAF rules, and automated vulnerability scanning.
- Designed high availability and disaster recovery strategies leveraging multi-AZ deployments and automated backups, improving uptime and ensuring defined RTO/RPO objectives.
- Led cloud cost optimization initiatives through rightsizing, autoscaling policies, and reserved capacity planning, reducing infrastructure spend while maintaining performance.
- Troubleshot production incidents and performance bottlenecks, conducting root cause analysis and implementing preventive automation to reduce recurring issues.
- Collaborated cross-functionally with engineering, security, and product teams to deliver secure, scalable, and compliant cloud solutions.

WEX INC | DALLAS , TEXAS
DevOps And Cloud Engineer
01/2019 - 01/2022

- Designed and supported secure cloud infrastructure for financial transaction platforms, ensuring high availability, reliability, and regulatory compliance for payment processing workloads.
- Automated infrastructure provisioning using Terraform and AWS-native templates, standardizing environment deployment and reducing manual configuration errors across development and production systems.
- Deployed and managed containerized microservices using Docker and Kubernetes-based orchestration, improving application portability, scalability, and system consistency.

- Implemented secure networking architectures including VPC segmentation, private endpoints, load balancing, and VPN connectivity to protect sensitive financial data traffic.
- Built and maintained CI/CD pipelines enabling automated testing, integration, and deployment of critical payment services, supporting faster and safer release cycles.
- Configured centralized monitoring, logging, and alerting using CloudWatch and observability tools to proactively detect anomalies and reduce incident response time.
- Enforced security best practices including IAM role-based access control, encryption mechanisms, vulnerability assessments, and compliance-focused infrastructure controls.
- Designed disaster recovery and high availability strategies to protect transaction systems, supporting business continuity requirements for financial operations.
- Optimized cloud resource utilization and operating costs through autoscaling policies, workload analysis, and infrastructure rightsizing.
- Investigated production performance issues using distributed system troubleshooting techniques, improving service stability and customer transaction reliability.
- Collaborated with development, security, and operations teams to support platform modernization and infrastructure lifecycle management.

Imprivata | Austin , Texas
NETWORK ENGINEER
08/2016 - 11/2018

- Designed and maintained secure enterprise network infrastructure supporting healthcare authentication platforms, including LAN/WAN connectivity, VPNs, and firewall security policies.
- Optimized network performance by configuring routing, switching, and access control mechanisms to ensure reliable and low-latency data transmission.
- Supported network security enforcement through segmentation strategies, intrusion protection considerations, and secure authentication frameworks.
- Participated in incident troubleshooting and infrastructure monitoring to ensure high availability and operational continuity of critical services.

Education

Cybertex Institute Of Technology | Austin Texas
Diploma in Network Engineering
09/2017

University of Buea | Buea Cameroon
Bachelor of Science in Information Technology And Cyber Security
07/2008

Certifications

Amazon Web Services certifications (Cloud Practitioner, Solutions Architect Associate, DevOps Pro)

Terraform Professional

Microsoft Azure AZ-900

Websites & Social Links

- www.linkedin.com/in/rodriech-nkarakwi-devops

- rodriechnkarawkwi.com

Open To Relocation

"**I am willing to relocate and open to working from any location**"

RODRIECH NYUGAB NKARAKWI

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Summary

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Skills & Value I Bring

I am a results-driven Cloud and DevOps Engineer specializing in designing secure, scalable, and highly automated cloud platforms that support mission-critical production workloads. With deep experience in cloud architecture across AWS and Azure ecosystems, I focus on building resilient infrastructure that improves system reliability, accelerates deployment velocity, and enables business growth through technology efficiency.

I bring strong expertise in Infrastructure as Code using Terraform and CloudFormation to eliminate manual configuration risks and standardize environment provisioning across development, staging, and production systems. My approach reduces deployment time, improves consistency, and supports large-scale automation strategies commonly adopted in high-performance engineering organizations.

I have successfully supported cloud migration and hybrid architecture initiatives by transforming legacy on-premise systems into modern cloud-native platforms. These migrations improved scalability, strengthened disaster recovery capabilities, and reduced operational overhead while maintaining service continuity.

Security is central to my engineering philosophy. I design network architectures using VPC segmentation, VPN connectivity, load balancing strategies, and identity governance through IAM and RBAC policies to enforce least-privilege access models. I also implement encryption

In addition, I focus heavily on operational excellence through centralized monitoring and observability using tools such as CloudWatch, Azure Monitor, and Datadog. By improving anomaly detection and alert accuracy, I help reduce incident resolution time and enhance system stability in production environments.

I have experience designing high availability and disaster recovery strategies using multi-region and multi-AZ architectures with automated failover mechanisms. Through cost optimization initiatives such as autoscaling, reserved capacity planning, and workload rightsizing, I help organizations maintain performance efficiency while controlling infrastructure expenditure.

My technical stack also includes containerization and orchestration using Docker and Kubernetes-based platforms such as Amazon EKS, configuration automation using Ansible, and CI/CD pipeline engineering to support zero-downtime release cycles.

Overall, I am passionate about building reliable, secure, and high-performance cloud infrastructure that enables engineering teams to innovate faster while maintaining enterprise-grade operational and security standards.

standards, vulnerability scanning, and compliance-aware infrastructure controls to strengthen overall platform security.

Professional Summary

I am excited about the opportunity to contribute my DevOps/Cloud expertise and help strengthen your cloud infrastructure, automation capabilities, and platform reliability. I am confident that my experience in building secure, scalable, and highly automated systems will allow me to make an immediate and meaningful impact on your engineering and operations teams. I welcome the opportunity to further discuss how my skills and experience align with your organization's goals and how I can contribute to your continued success. Thank you for your time and consideration. I am available for an interview at your convenience and am open to relocation as required. I look forward to your response.

Open To Relocation

“I am fully open to relocation and excited to bring my DevOps expertise to support your team wherever it adds the most value.”

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www.linkedin.com/in/rodriech-nkarakwi-devops

Website

www.rodriechnkarakwi.com