

# Christian Onyeukwu

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## Senior Cloud Infrastructure & DevOps Engineer

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### Professional Summary

Senior Cloud Infrastructure & DevOps Engineer with 8+ years of experience leading cloud modernization, infrastructure automation, DevOps transformation, and enterprise systems administration across AWS-centric environments. AWS Certified Solutions Architect – Professional and AWS Certified DevOps Engineer – Professional with strong expertise in cloud infrastructure modernization, DevOps automation, and enterprise AWS environments. Proven hands-on experience designing, securing, and optimizing production-grade cloud infrastructure using AWS services including EC2, IAM, VPC, Lambda, RDS, DynamoDB, CloudWatch, Route53, S3, ECS/EKS, Load Balancers, Auto Scaling Groups, and Secrets Manager. Skilled in CI/CD optimization, Infrastructure as Code (Terraform, CloudFormation, ARM Templates), container orchestration, cloud security governance, production operations, disaster recovery planning, and enterprise monitoring solutions. Experienced administering Microsoft 365 environments including Intune, Exchange Online, Microsoft Defender, Active Directory, Group Policy, and SharePoint, with working knowledge of Azure, Entra ID, and Azure DevOps. Recognized for independent execution, production infrastructure ownership, mentoring junior engineers, incident response leadership, and delivering secure, scalable, and highly available enterprise cloud platforms.

### Core Technical Skills

- Cloud Platforms: AWS (EC2, IAM, Lambda, RDS, DynamoDB, S3, VPC, Route53, CloudWatch, ECS/EKS, Auto Scaling, Load Balancers, Secrets Manager), Azure, Entra ID
- Infrastructure & Systems Administration: Windows Server, Linux Administration, Active Directory, Group Policy, DNS/DHCP, Virtualization, Endpoint Management
- DevOps & CI/CD: Jenkins, GitHub Actions, Azure DevOps, Docker, Kubernetes, Helm
- Infrastructure as Code: Terraform, AWS CloudFormation, ARM Templates, Pulumi, Ansible
- Security & IAM: IAM Governance, RBAC, Security Hardening, Vulnerability Remediation, Secrets Management, Microsoft Defender, VPNs, Security Policies
- Microsoft 365: Intune, Exchange Online, SharePoint, Endpoint Administration
- Monitoring & Observability: Prometheus, Grafana, ELK Stack, CloudWatch
- Scripting & Automation: Bash, Python, PowerShell
- Networking: TCP/IP, DNS, DHCP, VPNs, Firewalls, FortiGate exposure, VPC networking, Routing & Subnetting

- Databases: RDS, PostgreSQL, MySQL, Backup & Recovery, Monitoring & Performance Tuning

## Professional Experience

### **JALEX Solutions Inc. — Senior Cloud Infrastructure & DevOps Engineer**

Dec 2025 – Present | Canada

- Owned production AWS infrastructure across multiple environments, including EC2, VPCs, subnets, Route53, security groups, IAM policies, Application Load Balancers, Auto Scaling Groups, RDS, CloudWatch, S3, ECS/EKS clusters, and Secrets Manager supporting highly available business applications.
- Architected and deployed production-grade Kubernetes environments on AWS EKS with secure networking, IAM governance, RBAC, container security controls, and automated CI/CD deployment pipelines.
- Led cloud modernization and DevOps optimization initiatives by enhancing Jenkins and GitHub Actions pipelines to improve deployment reliability, operational consistency, and release efficiency.
- Implemented Infrastructure as Code using Terraform, Pulumi, and AWS CloudFormation to standardize infrastructure provisioning, improve environment consistency, and support scalable cloud operations.
- Managed cloud networking components including VPC segmentation, subnets, route tables, NAT gateways, VPN connectivity, DNS management, and security group administration.
- Administered IAM governance, secrets management, vulnerability remediation, and security hardening initiatives aligned with least-privilege access principles.
- Integrated centralized monitoring and observability using Prometheus, Grafana, ELK Stack, and CloudWatch alarms to support proactive incident management and operational visibility.
- Supported production operations across development, staging, and production environments, including incident response, root cause analysis, postmortems, and SLA/SLO support.
- Collaborated with development, infrastructure, and security teams to evaluate new technologies, improve cloud governance, and drive operational stability initiatives.
- Provided mentorship and technical guidance to junior engineers on AWS infrastructure management, DevOps practices, cloud security, and automation standards.

## **ECR Technology Services — Cloud Infrastructure & DevOps Engineer**

Jan 2016 – May 2025 | Hybrid

- Led administration and optimization of AWS production infrastructure supporting enterprise applications and internal business services across development, staging, and production environments.
- Managed AWS services including EC2, VPCs, Route53, IAM, CloudWatch, RDS, S3, Load Balancers, Auto Scaling Groups, Lambda, and EKS clusters for scalable and highly available workloads.
- Implemented secure cloud networking using VPCs, subnets, routing tables, NAT gateways, VPNs, security groups, and IAM policies following enterprise security best practices.
- Built and enhanced CI/CD pipelines using Jenkins, GitHub Actions, Docker, Kubernetes, and Terraform, reducing deployment times and improving operational reliability.
- Managed Linux and Windows Server production environments including patch management, Active Directory administration, Group Policy support, DNS/DHCP configuration, endpoint administration, and operational support.
- Supported Microsoft 365 administration including Exchange Online, Intune, Microsoft Defender, user access management, and endpoint security operations.
- Configured monitoring, logging, and alerting systems using Prometheus, Grafana, ELK Stack, and CloudWatch to improve visibility, uptime, and operational response.
- Supported on-call operations, incident response, root cause analysis, post-incident reviews, and environment standardization initiatives across production systems.
- Administered RDS, PostgreSQL, and MySQL environments including backup/recovery validation, database monitoring, and performance troubleshooting.
- Implemented secrets management, vulnerability remediation, compliance-focused security controls, and system hardening initiatives to improve infrastructure security posture.
- Collaborated with infrastructure, development, and security teams to assess and implement new cloud technologies, automation solutions, and operational improvements.

## **Michael Okpara University of Agriculture, Umudike (MOUUAU) —Lecturer**

Oct 2019 – Dec 2021 | Nigeria

- Supported undergraduate instruction in computer science, systems analysis, software engineering, and programming-related courses.
- Assisted students with technical troubleshooting, laboratory support, and systems-related practical sessions.
- Conducted technical research and collaborated with faculty on software and computing projects.
- Developed strong communication, documentation, mentoring, and analytical problem-solving skills transferable to enterprise technical leadership.

## **Education**

- Post Graduate Program in DevOps — Purdue University & Edureka (2025)
- MSc Computer Science — Bishop's University, Canada (2024)
- BSc Computer Science — Michael Okpara University, Nigeria (2014)

## **Certifications**

- AWS Certified Solutions Architect – Professional (SAP-C02)
- AWS Certified DevOps Engineer – Professional (DOP-C02)
- Oracle Certified Associate (OCA)