

Resume of
Christian Onyeukwu
M.Sc. (Comp. Sci.), PgP (DevOps), OCA,
AWS Certified Solutions Architect, AWS Certified DevOps Engineer
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[Email](#) | [Portfolio](#) | [LinkedIn](#) | [GitHub](#)

PROFILE

Infrastructure, cloud, and DevOps professional with extensive experience supporting production systems, enterprise infrastructure, automation, systems administration, and secure cloud environments. MSc in Computer Science with AWS Certified Solutions Architect - Professional and AWS Certified DevOps Engineer - Professional credentials. Hands-on background across Windows Server, Active Directory, Group Policy, DNS/DHCP, Microsoft 365, Exchange Online, Azure/Entra ID, AWS, Linux, virtualization, IAM/RBAC, PowerShell, Python, Terraform, CI/CD, monitoring, incident response, and production operations. Experienced analyzing functional and operational requirements, defining system components and interfaces, evaluating solution alternatives, and translating business and technical needs into infrastructure designs, technical specifications, implementation plans, procedures, standards, and secure production solutions. Strong focus on performance, scalability, security, availability, maintainability, documentation, testing, and operational readiness.

CORE COMPETENCES

- **Systems Analysis & Design:** requirements analysis, functional requirements, feasibility assessment, solution alternatives, technical design, system components, interfaces, operational environments, implementation planning, production systems support.
- **Business-to-Technical Translation:** technical specifications, system design documentation, implementation plans, solution recommendations, procedures, standards, and stakeholder collaboration.
- **Microsoft & Enterprise Administration:** Microsoft 365, Exchange Online (EXO), Intune, Microsoft Defender, SharePoint, Windows Server, Active Directory, Group Policy, DNS, DHCP, endpoint administration.
- **Identity & Security:** IAM, RBAC, least privilege, access governance, Entra ID, user access management, secrets management, vulnerability remediation, security hardening, VPNs, security policies.
- **Monitoring & Response:** CloudWatch, Prometheus, Grafana, Loki, ELK Stack, logging, alerting, production monitoring, incident response, root cause analysis, post-incident reviews.
- **Automation & Coding:** PowerShell, Java, Python, Bash, Terraform, CloudFormation, Pulumi, Ansible, GitHub Actions, Argo CD, Jenkins, Azure DevOps.
- **Cloud, Networking & Data:** AWS, Azure, Linux, Docker, Kubernetes, EKS/ECS, TCP/IP, routing, subnetting, VPN, firewalls, load balancing, RDS, PostgreSQL, MySQL, DynamoDB, S3, backup/recovery.
- Working knowledge of Conditional Access, Privileged Identity Management, hybrid Active Directory, Entra Connect Sync, SSO integrations, and enterprise application registrations.
- Limited direct exposure to VMware and HPE storage, with an understanding of core administration and troubleshooting concepts.

PROFESSIONAL EXPERIENCE

- JALEX Solutions Inc., Canada** **Dec 2025 - Present**
Senior Cloud Infrastructure & DevOps Engineer
 - ♦ Create, own, and support production systems within AWS infrastructure across multiple environments, including EC2, VPCs, subnets, Route 53, security groups, IAM policies, Application Load Balancers, Auto Scaling Groups, RDS, CloudWatch, S3, ECS/EKS, and Secrets Manager for highly available business applications.
 - ♦ Administer a small-business Microsoft 365 tenant, supporting identity and access management and collaboration services alongside AWS infrastructure responsibilities.
 - ♦ Analyze application, infrastructure, security, networking, availability, and operational requirements; assess implementation feasibility and translate business and functional requirements into technical infrastructure designs, technical specifications, implementation decisions, and production configurations.

- ◆ Define system components, dependencies, and interfaces across compute, networking, identity, data, container, monitoring, and security layers, including application-to-managed-service connectivity and operational environments.
- ◆ Evaluate solution alternatives for cloud networking, identity, workload deployment, storage, secrets, availability, and automation. Considerations include security, scalability, reliability, maintainability, operational complexity, and cost.
- ◆ Review AWS architecture and service usage with cost awareness, evaluating infrastructure sizing, scaling, managed-service choices, and non-production resource usage to balance reliability, performance, security, and cloud spend.
- ◆ Define network input/output paths and connectivity requirements using VPC segmentation, subnets, route tables, NAT gateways, VPN connectivity, DNS, security groups, and load balancing.
- ◆ Architect and deploy production-grade Kubernetes environments on AWS EKS with secure networking, IAM governance, RBAC, container security controls, and automated CI/CD deployment pipelines.
- ◆ Prototype cloud-based production systems, define data structures and system modules, support batch and online processing, and establish testing and production-monitoring procedures using Terraform, AWS, Kubernetes, CI/CD, CloudWatch, Prometheus, and Grafana.

2. **Noir Technologies Limited**

Aug 2022 - May 2025

Cloud & DevOps Engineer

- ◆ Supported AWS infrastructure for multiple client applications across civic technology, fintech, and business services, enabling application hosting and ongoing operations.
- ◆ Used Terraform to provision and maintain cloud resources, supporting consistent infrastructure configuration and repeatable environment setup.
- ◆ Managed AWS services including EC2, VPCs, Route 53, 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 maintained CI/CD workflows with GitHub Actions to automate application delivery and streamline release activities.
- ◆ Used Argo CD to manage GitOps application deployments, keeping deployed configurations aligned with version-controlled definitions.
- ◆ Configured monitoring, logging, and alerting systems using Prometheus, Grafana, ELK Stack, and CloudWatch to improve visibility, uptime, and operational response.
- ◆ 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.
- ◆ Troubleshot AWS infrastructure, CI/CD pipeline, and application deployment issues to resolve delivery blockers and support service availability.

3. **ECR Technology Services, Hybrid**

Jul 2020 - May 2022

Cloud & DevOps Engineer

- ◆ Led creation, administration, and optimization of production system infrastructure supporting enterprise applications and internal business services across development, staging, and production environments.
- ◆ Supported a hybrid enterprise technology environment consisting of Windows and Linux systems, cloud infrastructure, internal business services, and application workloads across development, staging, and production. The environment included Active Directory, Group Policy, DNS/DHCP, Microsoft 365, AWS infrastructure, virtualization, databases, CI/CD automation, monitoring, backup and recovery, identity management, and incident response.
- ◆ Analyzed functional and operational requirements for infrastructure, application hosting, networking, identity, data, monitoring, and deployment; translated business and functional requirements into technical design configurations, specifications, implementation plans, and solution recommendations.
- ◆ Managed AWS services including EC2, VPCs, Route 53, IAM, CloudWatch, RDS, S3, Load Balancers, Auto Scaling Groups, Lambda, and EKS for scalable and highly available workloads.

- ◆ Defined and maintained interfaces between applications and infrastructure services through DNS, routing, load balancing, security groups, IAM policies, APIs/service connectivity, database endpoints, and deployment pipelines.

4. ECR Technology Services, On-site

Jan 2016 - Jun 2020

Software Engineer

- ◆ Developed and maintained application features using Java and Node.js, translating business requirements into functionality that supported user needs.
- ◆ Owned assigned features throughout the software development lifecycle, from requirements analysis and implementation to testing, release, and ongoing maintenance.
- ◆ Built and integrated backend services and APIs to connect application components and support workflows across business functions.
- ◆ Collaborated with product stakeholders, designers, developers, and QA teams to clarify requirements, resolve technical issues, and deliver application updates.
- ◆ Investigated and resolved application defects using ELK logs and Linux diagnostic tools, addressing root causes and validating fixes through regression testing.
- ◆ Developed automated tests and Python and Bash validation scripts to improve test coverage and reduce repetitive manual QA work.
- ◆ Integrated automated testing into Jenkins CI/CD pipelines to validate code changes and support reliable software releases; maintained operational documentation.

EDUCATION / CERTIFICATION

- ◆ Post Graduate Program in DevOps 2025
- Purdue University & Edureka
- ◆ M.Sc. Computer Science 2024
- Bishop's University, Canada
- ◆ B.Sc. Computer Science 2014
- Michael Okpara University, Nigeria
- ◆ AWS Certified Solutions Architect - Professional (SAP-C02)
- ◆ AWS Certified DevOps Engineer - Professional (DOP-C02)
- ◆ Oracle Certified Associate (OCA)

TECHNICAL SKILLS SUMMARY

- ◆ **Cloud Platforms:** AWS - EC2, IAM, VPC, Lambda, RDS, DynamoDB, CloudWatch, Route 53, S3, ECS/EKS, Auto Scaling, Load Balancers, Secrets Manager; Azure; Entra ID.
- ◆ **Microsoft / On-Premises:** Microsoft 365, Exchange Online, Intune, Microsoft Defender, SharePoint, Windows Server, Active Directory, Group Policy, DNS, DHCP, endpoint administration, virtualization.
- ◆ **DevOps / Automation:** PowerShell, Python, Bash, Terraform, AWS CloudFormation, ARM Templates, Pulumi, Ansible, Jenkins, GitHub Actions, Argo CD, Azure DevOps, Docker, Kubernetes, Helm, Ruff, Apache Kafka, RabbitMQ.
- ◆ **Security / Identity:** IAM, RBAC, least privilege, access governance, secrets management, vulnerability remediation, security hardening, VPNs, security policies, Semgrep (SAST), Trivy, Conftest, OPA/Rego, Regal.
- ◆ **Monitoring / Logging:** CloudWatch, Prometheus, Grafana, Loki, ELK Stack, alarms, logs, incident response, root cause analysis.
- ◆ **Networking / Storage:** TCP/IP, DNS, DHCP, VPNs, firewalls, routing, subnetting, VPC networking, virtualization, FortiGate exposure, RDS, PostgreSQL, MySQL, DynamoDB, S3, backup and recovery.
- ◆ **Software Engineering:** Java, Python, Node.js, TypeScript