

Adelusi, Bamidele Samuel
Software Developer | DevOps Engineer | Cloud Solutions Architect
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Summary:

- Highly skilled DevOps Engineer with over fifteen 15 years of expertise in architecting, automating, and optimizing complex infrastructures across On-premise and Cloud - AWS, Azure, GCP and strong background in Software development and Database Administration.
- Skilled in Kubernetes, Terraform, Virtualization, Containerization and CI/CD automation, I specialize in designing scalable, resilient systems and deployment pipelines.
- Skilled in GitHub Enterprise & GitHub Actions (JavaScript) for CI/CD automation, with deep proficiency in YAML, Shell, Python, and Golang scripting for infrastructure and workflow automation.
- Strong working knowledge of DevSecOps principles, InfoSec controls, and Kubernetes security (RBAC, IAM, Network Policies).
- Adept at designing microservices architectures, integrating serverless workloads, and embedding security-as-code in modern DevOps pipelines to achieve continuous delivery, reliability, and compliance.
- My strong background in software development, infrastructure management, and cross-functional collaboration enables me to deliver efficient, high-quality Software and DevOps solutions that drive impactful results.

Core Competencies:

Software Development, Cloud Computing & Infrastructure Management, Scripting & Automation, Agile Methodologies, Version Control/Build Releases, Developer Collaboration, System Analysis & Design, Database Management, Problem- Solving and troubleshooting, Attention to details, Data Analytics, Team player, Project Leadership, Effective Communication.

Technical Skills:

- **Cloud & Infrastructure Platforms**
 - AWS (EKS, ECS, Lambda, API Gateway, IAM, Security Hub, KMS, GuardDuty)
 - Azure (AKS, ADO), GCP (GKE)
 - Hybrid and multi-cloud architectures, VPC design, Transit Gateway, PrivateLink
- **Containerization & Orchestration**
 - Docker, Kubernetes (EKS, AKS, GKE, OpenShift, K3s)
 - Helm charts, Kubernetes Operators, CRDs, Service Mesh (Istio, Envoy)
 - Container runtime security and policy enforcement (Falco, Trivy, Aqua, Clair)
- **CI/CD, Automation & DevOps**
 - GitHub Enterprise, GitHub Actions (JavaScript-based pipelines), GitLab CI/CD, Jenkins, ArgoCD, CodePipeline
 - Infrastructure as Code: Terraform, CloudFormation, Pulumi, Crossplane
 - Scripting & Workflow Automation: YAML, Shell, Python, Golang
 - GitOps deployment models, blue-green and canary releases
- **DevSecOps & InfoSec**
 - Implementation of shift-left security, least-privilege IAM/RBAC, and security-as-code practices
 - Security scanning tools: Trivy, Aqua, Anchore, Clair, Snyk
 - Infrastructure compliance via AWS Config, Security Hub, Inspector, CloudTrail
 - Secure secrets management with AWS Secrets Manager, Azure KeyVault and HashiCorp Vault
- **Microservices & Serverless Architecture**
 - Microservices decomposition and event-driven design using Kafka, RabbitMQ, SQS/SNS
 - Serverless computing: AWS Lambda, Step Functions, EventBridge, DynamoDB, API Gateway
 - Integration of serverless workloads into containerized microservices for hybrid cloud solutions
- **Monitoring, Logging & Observability**
 - Prometheus, Grafana, ELK Stack, Loki, Fluentd, CloudWatch, OpenTelemetry, Dynatrace / Logscale, Elastic Stack, Splunk, Datadog
 - Application performance monitoring, distributed tracing, and SLO/SLA management

- **Operating Systems & Networking**
 - Linux (Ubuntu, CentOS, RedHat) and Windows Server administration
 - Networking fundamentals: DNS, Load Balancing, Ingress Controllers, NetworkPolicies, mTLS
 - VPNs, Firewalls, Zero Trust Networking architectures
- **Databases, Web Technologies, and Reporting Tools**
 - MSSQL Server, NoSQL, Postgresql, MySQL, ETL, Oracle, Redshift (PostgreSQL, MariaDB and MongoDB)
 - IIS, HTML, CSS, Ajax, Web Services, NodeJS
 - Reporting Tools: PowerBI, Crystal Reports, SQL Server Reporting Services
 - .Net Framework, Asp.Net, WinForm, WebForm, MVC, WCF, C#, Python, R, Java, NetCore, Python, Ruby, Go, Swift, Java, VB

Certifications:

- AWS Certified Solutions Architect – Professional
- AWS Certified Solutions Architect – Associate
- AWS Certified SysOps Administrator – Associate
- AWS Certified Developer – Associate
- AWS Certified Cloud Practitioner
- Azure Fundamentals

Education:

- Master of Science - MS, Social Data Analytics & Research, The University of Texas at Dallas May 2024
- Master's degree, Business Computing, University of Ibadan, 2018
- Master of Business Administration - MBA, Finance, Ladoke Akintola University of Technology, 2009
- PGD - Post Graduate Diploma, Computer Science, Lagos State University, 2006
- HND, COMPUTER SCIENCE, Yaba College of Technology, 2001

Professional Experience:

Swoom, Dallas, TX Jul 2023 - Present

DevOps Engineer/Solutions Architect

- Collaborate with team/clients to understand business needs, providing tailored Azure-based solutions that ensured scalability, security, and performance
- Experience Cloud and DevOps Engineer in automating, configuring and deploying instances in AWS, Azure Cloud Environments and Data Centers
- Worked extensively with Azure cloud services, leveraging Azure Functions, Logic Apps, and Azure Kubernetes Service (AKS) for scalable solutions.
- Designed & implemented AWS EKS architectures, managing large-scale containerized workloads across multiple AWS accounts.
- Support 300+ AWS Cloud instances running Ubuntu, Redhat and Windows Environments
- Build expertise in Workflow for Amazon Web services like EC2, S3, ELB, EBS, VPC, Security Groups, IAM, and DevOps tools like Dockers, Kubernetes, Git, GitHub, Jenkins, Apache, Tomcat, and Maven etc.
- Developed AWS Cloud Formation Templates to create custom sized VPC, subnets, NAT, EC2, ELB, etc
- Responsible for Installation of applications on AWS Cloud and implemented AWS solutions using S3, EBS, RDS, EBS, ELB, Auto-scaling groups.
- Own site operations which includes: security, reliability, operations (including testing and documenting what to do for failover) for all deployed servers
- Involved in designing and deploying multi-tier applications using all the AWS Services like EC2, Route53, RDS, DynamoDB, SNS, SQS, IAM) focusing on high availability, fault tolerance, and auto-scaling in AWS Cloud formation.
- Deployed containerized applications using Docker and orchestrated them on AKS
- Architected scalable containerized microservices deployed on AWS EKS, enabling zero-downtime deployments and blue-green upgrade strategies.
- Designed and implemented microservices patterns for customer-facing applications, focusing on scalability, fault-tolerance, and security by utilizing Docker, Kubernetes, and AWS Lambda.
- Implement the serverless transformation by designing event-driven applications combining AWS Lambda, EventBridge, Step Functions, and microservices backends, improving system scalability and reducing costs.

- Integrated DevSecOps security practices into the software development lifecycle (SDLC) by embedding security controls (IAM policies, runtime container security, secret management) early in the pipelines.
- Created Azure architecture blueprints and developer documentation
- Migrated applications from on-premise to Azure and AWS, and integrated systems between Public Cloud Providers
- Migrated critical business processes to AWS serverless architectures utilizing Lambda, significantly enhancing resilience and reducing time-to-market.
- Automated CI/CD pipelines using GitHub Actions & ArgoCD, enabling rapid application deployments with zero downtime.
- Optimized AWS networking by implementing AWS Transit Gateway, VPC Peering, and PrivateLink to improve multi-cluster connectivity.
- Led Kubernetes cost optimization efforts, reducing compute costs by 35% through autoscaling strategies and spot instance adoption.
- Integrated Typescript and JavaScript frameworks into large applications to create dynamic, responsive user interfaces.
- Designed and deployed containerized microservices and serverless workloads using Docker, Kubernetes (EKS), and AWS Lambda for scalable, cost-efficient applications.
- Developed GitHub Enterprise CI/CD pipelines (JavaScript + YAML) for automated build, test, and deployment across multiple cloud environments.
- Maintain live services through measuring and monitoring availability, latency, and overall system health to maintain minimal downtime
- Implemented Infrastructure as Code (IaC) for new and existing services in Azure and AWS
- Create and maintain build and release YAML pipelines in Azure DevOps
- Created Azure architecture blueprints and developer documentation
- Administer, monitor, and deploy systems and services on Azure and AWS
- Implemented and optimized DevOps pipelines, leveraging tools like Jenkins, Docker, and Kubernetes for CI/CD automation and container orchestration.
- Collaborate with development teams to achieve continuous integration and continuous delivery
- Collaborated closely with product managers and cross-functional teams to define requirements and technical specifications, ensuring seamless integration of new features.
- Implemented monitoring and observability solutions using AWS CloudWatch and third-party tools to ensure the health and performance of live systems.
- Designed and implemented data architectures for SQL Server and Oracle systems, ensuring data consistency and optimizing query performance.
- Collaborate with operations and development teams to inform design decisions that improve maintenance, automation, scaling, performance, cost and availability
- Own site operations which includes: security, reliability, operations (including testing and documenting what to do for failover) for all deployed servers
- Knowledge of application Software development life cycle and release cycles (DEV/QA/UAT/PROD) including pipelines
- Ability to manage AWS services via both console and API Awareness of both current and emerging technologies
- Migrated applications from on-premise to Azure and AWS, and integrated systems between Public Cloud Providers.
- Designed and developed infrastructure using Terraform and Cloud formation and automated end-to-end transit hub connectivity resource deployments in AWS via Terraform
- Excellent technical knowledge of IT Infrastructure, including network and application load balancers, switches, routers, and IP addressing
- Used Kubernetes to orchestrate the deployment, scaling and management of Docker containers
- Implemented monitoring and alerting using New Relic, datadog, Azure Monitor and Application Insights, ensuring high availability and performance proactively mitigate production outages and ensure adherence to our SLA requirements.
- Developed Terraform modules for infrastructure provisioning, reducing manual configurations by 80%.
- Designed and developed infrastructure using Terraform and Cloud formation and automated end-to-end transit connectivity resource deployments in AWS via Terraform
- Managed Docker orchestration and Docker containerization using Kubernetes

- Used Kubernetes to orchestrate the deployment, scaling and management of Docker containers
- Carried automated deployment and builds on various environments using continuous integration (CI) tools Jenkins
- Implemented monitoring and alerting using Azure Monitor and Application Insights, ensuring high availability and performance

**Varens SoftTech LLC,
Software/Data Analyst**

Feb 2024 - May 2024

- Developed Application with Angular, data manipulation and management tools such as Python and Oracle.
- Support Team on data analysis, integration and visualization techniques using PowerBI
- Collaboration with cross-functional teams and exposure to project management methodologies.
- Hands on experience on application deployment, unit and regression testing and servers setup in cloud.
- Managed IIS servers hosting internal and customer-facing .NET web applications
- Worked with DevOps team to integrate IIS logs into centralized logging (Splunk).

SigmaXplus Solutions LLC, Dallas, TX

Sep 2022 - Jun 2023

Software/DevOps Engineer

- Experience in migrating applications to both AWS and Azure cloud platforms
- Extensive experience in setting up CI/CD pipelines using tools such as Jenkins, Maven, Docker, Nexus, Chef, Ansible, Artifactory, and Azure pipelines
- Experience and good knowledge in setting up Kubernetes clusters using Amazon EKS and Azure AKS
- Good knowledge of virtualization and container technology like Docker with experience in creating Dockerfiles and working with Docker containers
- Implement Infrastructure as Code (IaC) using Terraform, CloudFormation, AzureDevOps Pipeline
- Develop enterprise-level applications built on the Microsoft .NET Framework, C#, Angular, Java, Node.js
- Create Application Programming Interfaces (APIs) that are clean, well- documented, and easy to use
- Extensive knowledge and experience in AWS/Azure database, MSSQL, PostgreSQL, MySQL, Oracle etc
- Experience in collecting an existing infrastructure information including Active Directory, SQL Server, Reporting Server instance for implementation of MS Dynamics BC and CRM system
- Experience for automation with Enterprise GitHub, Jenkins and Sonar Nexus
- Experience with Web Services/web application deployment on On-premise, AWS & Azure Cloud Server via IIS
- Strong experience in working with version control systems such as Git, GitHub, Bitbucket, Azure Git
- Strong hands on experience in scripting languages such as JSON, YAML, Ruby, Python, Shell Scripting
- Strong experience in distributed agile and scrum methodologies to develop best practices for software development & implementation
- Strong knowledge of integrate monitoring tools like Prometheus, Datadog, Grafana, CloudWatch ensuring real-time system performance monitoring
- Strong experience in providing continuous support for DevOps activities, focusing on configuration management and build automation
- Collaborated with developers and DevOps teams using Microsoft Team, Slack, Jira and confluence to ensure clear communication and workflow alignment

Palton Morgan Holdings, Lagos, Nigeria

May 2021 - Jul 2022

Chief Technology Officer

- Provide leadership in technology for business enablement & innovation
- Define the enterprise architecture in conjunction with current and future requirements
- Develop reports utilizing Microsoft SQL Server 2019 SSRS, Crystal Reports.
- Proven understanding of data structure principles and data platforms etc.
- Knowledge and experience in AWS/Azure database, MSSQL, PostgreSQL, MySQL, Oracle.
- Develop Software Applications & Database Administrations to support the business.
- Experience in designing a multi-user, multi-database applications with data processing requirements or algorithms.
- Experience in automating infrastructure setup on AWS cloud and Azure Cloud.
- Implements user access controls and data security measures as appropriate.

- Experience of automation with Enterprise GitHub, Jenkins, Maven, Nexus, Chef, Ansible, and Sonar Nexus.
- Extensive experience in setting up CI/CD pipelines using tools such as Jenkins, Docker, and Azure pipelines.
- Implement Infrastructure as Code (IaC) using Terraform, CloudFormation, AzureDevOps Pipeline.
- Experience in migrating applications to both AWS and Azure cloud platforms.
- Implement CRM/NAV Business Central Application
- Experience on Using SQL Server in Developing Stored Procedure, Views, Joins, Triggered and SSIS.
- Tracks status & communicates progress effectively to project management.
- Develop policies for internal IT operations to drive attainment of SLAs.
- Build a competitive and agile team, provide technical mentorship and enforce coding standards.
- Identify and manage vendors in the delivery of contracted work.
- Deploy and manage AVAYA Call Center application
- Configured and maintained IIS for intranet and extranet applications serving 30,000+ users.
- Identify and manage vendors in the delivery of contracted work
- Ensure IT projects are complete on-time, on-scope, and on-budget
- Developed IT Standards, IS Security Policies etc.

Futureplus Technologies, Lagos, Nigeria

Feb 2016 - Apr 2021

Senior IT Consultant/Cloud Solutions Architect

- Engage in Design and Architecture of Cloud Services (AWS & Azure)
- Engage in web and native app development as well as managing Applications in Cloud infrastructure for Azure and AWS.
- Good knowledge of Cloud Software implementation using JavaScript, HTML, CSS, ASP.NET, XML, Restful APIs.
- Work with Azure Synapse and proven understanding of data structure principles and data platforms and data analytics stream etc
- Develop and Support built Software Applications such as Accounts Management System, Short Message Services (SMS) Enquiry System, School & Hospital Management, Membership/Report Management Portal etc using VB.Net, C#, Java Script, Crystal Report etc
- Working and deep understanding of software and web technologies such as Python, WordPress, PHP etc
- Advanced knowledge and experience in AWS database infrastructure, MySQL, Hadoop, Aurora, Oracle
- Database Administration such as administering SQL Server 200X
- Creating timelines for the development and deployment of all technological services
- Ensure IT projects are complete on-time, on-scope, and on-budget
- Keep up to date with latest technologies and knowledge to maintain and improve enterprise and business platforms.
- Business Development and Enterprise solutions
- Represents the company for proposals' presentation and meetings
- Train team members and supervise the subordinate duties/assignments
- Developed IT Standards, IS Security Policies for clients
- Manage the company's clients and other business relationship
- Good understanding of DevOps practice and culture

Head, Information Technology/Programmer

May 2009 – Feb 2016

Excel Life Empowerment Organization

- Develop and manage Accounting System for Micro Financing
- Maintains company in-house application for daily transactions.
- Responsible for all IT segments including the procurement, disposal management, monitoring, project cycle and integration of all systems
- Train staff on Customized Applications, OS, general knowledge of IT, Off- the Shelf Packages and the likes on the capacity building in ICT.
- Oversee and ensure daily transactions are backup and processed

Profund Securities Limited, Lagos

- Develop IT Standards, IS Security Policies and Procedures and manage the company website/webportal
- Develop and Support In-House Customized Applications and Database Administration
- Implement & manage VPN intranet using Endian Firewall
- Maintain and support the company application for daily transactions.
- Maintain/support the Branches (BDAs) IS Assets and other related issues
- Managed System, Network and Security Administration i.e. install, configure, harden and maintain servers & other network issues etc
- Maintenance of Intranet/links within the company & branches Network
- Implement and manage company in-house email infrastructure etc.
- Create awareness on Information Security and BCP & DRP
- Ensure smooth running of the ICT dept, IS Assets, peripherals and ICT capacity building
- Liaise with the Consultants/Vendors on the necessary