

Yusuf Alagbe

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SUMMARY:

Senior DevOps Engineer with **11+ years** of experience in **cloud infrastructure, automation, and CI/CD across Azure and AWS. Expertise in Kubernetes, Docker, and Infrastructure-as-Code (Terraform, Ansible)** to build scalable and reliable systems. Proven track record in cloud migration, cost optimization, and improving deployment efficiency. Strong focus on DevSecOps, monitoring, and incident management to enhance system performance and reliability.

SKILLS:

Cloud Platforms & Services: Microsoft Azure (AKS, Virtual Machines, Storage Accounts, Azure DevOps, Azure Monitor), Amazon Web Services (AWS – ECS, EKS, EC2, S3, RDS, Route 53, CloudWatch)

Containerization & Orchestration: Docker, Kubernetes (AKS, EKS)

Infrastructure as Code (IaC) & Configuration Management: Terraform, ARM Templates, Ansible, Puppet (Working Knowledge)

CI/CD & DevOps Tooling: Azure DevOps, Jenkins, GitHub Actions, GitLab CI, Bitbucket Pipelines

Monitoring, Logging & Observability: Datadog, Grafana, Prometheus, ELK Stack (Elasticsearch, Logstash, Kibana), Azure Monitor, AWS CloudWatch, New Relic, PRTG, Nagios

Programming & Scripting: Python, Bash, PowerShell

Version Control & Collaboration: Git, Bitbucket

Cloud & DevOps Practices: DevOps, DevSecOps, Continuous Integration, Continuous Deployment (CI/CD), Infrastructure Automation, Blue-Green Deployments, Canary Releases

Security & Compliance: IAM (AWS & Azure), RBAC, Secrets Management, SAST/DAST, Container Security Scanning, Compliance & Audit Support

Networking & System Concepts: Load Balancing, Auto Scaling, DNS (Route 53), High Availability, Fault Tolerance
Data Engineering & Database Technologies: SQL Server, SSIS (ETL), Data Warehousing, Data Modeling (Star & Snowflake Schema), Data Governance, Data Quality & Validation

Monitoring & Incident Management: Root Cause Analysis (RCA), SLA/SLO Management, Incident Response, MTTR Optimization

Methodologies & Frameworks: Agile, Scrum, SAFe, DevSecOps Culture

WORK EXPERIENCE:

Senior DevOps Engineer

| Feb 2023 – Present

Andrews Distributing, Dallas, TX

- Architected and managed highly available, scalable, and secure cloud infrastructure across Azure and AWS, aligning with enterprise-grade best practices and cost optimization strategies.
- Led cloud migration initiatives to Azure Kubernetes Service (AKS), reducing infrastructure costs by 25% while improving scalability and resilience.
- Led infrastructure automation initiatives using Terraform, ARM templates, and Ansible, reducing environment provisioning time by 70% and eliminating manual configuration drift.
- Designed and implemented robust CI/CD pipelines using Azure DevOps and Jenkins, enabling faster release cycles, improved deployment reliability, and reduced rollback incidents.
- Containerized applications using Docker and orchestrated deployments on Kubernetes (AKS), improving system resilience, scalability, and resource utilization.
- Established Infrastructure-as-Code (IaC) standards using Terraform and Ansible, enabling organization-wide adoption and consistent multi-environment deployments.
- Implemented comprehensive monitoring, alerting, and logging solutions using Datadog, Grafana, and AWS CloudWatch, reducing mean time to resolution (MTTR) by 45%.
- Developed and maintained Bash and Python automation scripts to streamline deployment validation, health checks, and data synchronization processes.
- Developed and maintained monitoring dashboards (Grafana + Datadog) to visualize system performance,

uptime, and resource utilization, improving proactive incident response.

- Collaborated cross-functionally with security and networking teams to enforce RBAC, IAM policies, and compliance controls, ensuring adherence to security standards and audit requirements.
- Optimized cloud resource utilization and implemented cost governance strategies, achieving measurable reductions in monthly cloud spend.
- Established infrastructure monitoring dashboards and SLA/SLO tracking, improving system visibility and proactive incident management.
- Led production incident troubleshooting and root cause analysis (RCA), driving continuous improvement and reducing recurring issues.
- Implemented blue-green and canary deployment strategies, minimizing downtime and improving release confidence.
- Integrated security scanning tools (SAST/DAST, container scanning) into CI/CD pipelines, enhancing DevSecOps posture.
- Mentored junior engineers and promoted DevOps best practices, improving team productivity and delivery standards.

DevOps Consultant

| July 2020 – Jun 2023

Pearson Education, Chandler, AZ

- Led the modernization of legacy application deployments by implementing Docker-based containerization and orchestrating scalable workloads using Kubernetes, improving deployment consistency and reducing environment drift.
- Designed and implemented robust end-to-end CI/CD pipelines leveraging Bitbucket, Jenkins, and Ansible, enabling faster and more reliable code releases with reduced manual intervention.
- Managed and optimized hybrid cloud infrastructure across AWS services including EC2, S3, RDS, and Route53, ensuring high availability, performance tuning, and cost efficiency.
- Developed reusable and modular Terraform infrastructure-as-code (IaC) frameworks, improving provisioning speed and ensuring consistent environment configurations.
- Implemented comprehensive monitoring and alerting solutions using PRTG, Grafana, and Nagios, reducing downtime through proactive issue detection and performance analysis.
- Collaborated with cross-functional teams to define and review deployment strategies, scalability models, and cloud architecture, enhancing overall system resilience.
- Automated configuration management and application deployment workflows using Ansible, reducing manual errors and improving operational efficiency.
- Strengthened security and compliance posture by implementing IAM policies, secure secrets management, and adhering to AWS best practices.
- Introduced blue-green and rolling deployment strategies, minimizing downtime and ensuring seamless production releases.
- Drove DevOps culture adoption across teams, enabling a shift from quarterly to weekly releases and significantly improving delivery velocity.
- Optimized system performance by implementing auto-scaling, load balancing, and caching strategies, improving application responsiveness under varying loads.
- Conducted root cause analysis (RCA) for production incidents and implemented preventive measures to enhance system reliability.
- Mentored junior engineers and promoted DevOps culture adoption, improving collaboration between development, QA, and operations teams.

Data Engineer

| Jan 2015 – July 2022

Wells Fargo, Phoenix, AZ

- Collaborated with cross-functional teams using Bitbucket and Git, leveraging pull requests, code reviews, and version control best practices to ensure high-quality, maintainable code.

- Designed and developed enterprise-scale data warehouse solutions to support business intelligence, reporting, and advanced analytics across multiple business units.
- Built and optimized ETL pipelines using SSIS to extract, transform, and load data from SQL Server OLTP systems into dimensional data models for analytics consumption.
- Implemented data modeling techniques (star and snowflake schemas) to improve query performance and ensure scalability of the data warehouse.
- Developed and maintained complex SQL queries, stored procedures, and performance tuning strategies to enhance data processing efficiency.
- Ensured data quality and integrity by implementing validation rules, data profiling, and error-handling mechanisms within ETL workflows.
- Managed sensitive and regulated data in compliance with organizational security policies, ensuring proper handling of public and protected information assets.
- Partnered with business stakeholders and analysts to gather requirements and translate them into scalable data solutions.
- Automated data workflows and scheduling using SQL Server Agent, reducing manual intervention and improving pipeline reliability.
- Monitored and troubleshoot ETL jobs and data pipelines, proactively identifying and resolving performance bottlenecks and failures.
- Supported data governance initiatives by maintaining metadata, documentation, and lineage of data assets.
- Contributed to continuous improvement by identifying opportunities to modernize legacy data processes and improve system performance.

EDUCATION:

Master of Science in Data Analyst

Southern New Hampshire University, New Hampshire

| 2024

Bachelor of Degree in Information Technology Management

Western International University, Tempe, Arizona

| 2018

CERTIFICATION:

Certified SAFe® 5 Scrum Master (SSM) – SCALED AGILE

Scrum Fundamentals Certified – SCRUMstudy

Google Tag Manager Fundamentals – Google