BABAJIDE O. AJISAFE

AWS DevOps/Cloud Engineer

Union, New Jersey **.** www.linkedin.com/in/babajide-ajisafe

Technical Skills

Cloud Platform/Services: AWS EC2, S3, VPC, CloudWatch, SQS, CloudFormation, IAM, SNS, Autoscaling, Load Balancing, Lambda, CloudTrail, RDS, EFS, Batch, DynamoDB, Route53, Code Commit, Code Pipeline, Code Build, Code Deploy. **Scripting Languages:** Proficient in PowerShell, Bash, Python, YAML, and JSON. **Security:** IAM, Security Groups, Network ACLs, and comprehensive access management. **DevOps Tools:** Apache Maven, Nginx, Tomcat, JIRA, Git, Azure DevOps, Jenkins, GitHub Actions, Bitbucket, Docker, Kubernetes, Terraform, CloudFormation, Nexus, Prometheus, CICD, Ansible, SonarQube, Grafana, GitOps. **Databases:** Oracle, MySQL, DynamoDB, MongoDB, and PostgreSQL.

Professional Summary

Results-driven AWS DevOps Engineer with over 6 years of experience in implementing CI/CD pipelines to streamline software development processes, achieving a 30% reduction in deployment times and a 25% increase in overall team productivity. Proficient in containerization and skilled in leveraging tools such as Docker, Kubernetes, and Jenkins to enhance efficiency and performance. Possesses strong problem-solving abilities and a commitment to continuous learning, thriving in both independent and collaborative environments while adapting to dynamic project requirements.

Work Experience

BNY Mellon | Pershing   **Florham Park, NJ**
AWS DevOps Engineer   **01/2021 - Present**

- CI/CD Optimization: Engineered and optimized CI/CD pipelines using Jenkins, GitHub Actions, and Maven, achieving a 40% reduction in build times and a 20% increase in deployment success rates. Configured automated build triggers and integrated testing frameworks, continuously refining the process to eliminate bottlenecks.

- Infrastructure Automation: Automated infrastructure provisioning with Terraform and AWS CloudFormation, resulting in a 50% decrease in provisioning time and maintaining 99.9% application uptime. Developed reusable templates that streamlined the setup for development, testing, and production environments, enhancing operational efficiency.

- Deployment Process Improvement: Collaborated with cross-functional teams to integrate Apache Tomcat into CI/CD workflows, improving deployment processes and reducing downtime during releases by 30%. Facilitated regular feedback sessions with development and operations teams, implementing solutions to minimize deployment disruptions.

- Artifact Management: Implemented JFrog as an artifact repository, ensuring secure and efficient storage of build artifacts and enhancing retrieval times by **25%**. Established best practices for versioning and artifact management, which improved transitions between development and production environments.

- Backup and Recovery: Conducted full AMI backups for critical workloads, achieving a 100% success rate in backup restorations. Developed and documented comprehensive backup procedures to

ensure data integrity and availability.

- Mentorship and Training: Mentored and trained junior developers on CI/CD best practices, resulting in a 20% increase in team productivity and a more efficient onboarding process. Developed a comprehensive training program featuring hands-on workshops and detailed documentation, fostering a culture of continuous learning.

- Container Integration: Integrated Kubernetes and Docker with CI/CD pipelines using GitHub Actions and Jenkins, achieving a 60% reduction in deployment failures and enhancing rollback capabilities. This integration enabled seamless scaling and management of containerized applications, minimizing downtime during updates.

- System Monitoring Enhancement: Improved system monitoring and incident response by implementing Prometheus and Grafana, leading to a 35% decrease in incident response times. Created custom monitoring dashboards and alerts that provided real-time insights into system performance, facilitating proactive identification and resolution of issues.

US Bank - AWS   **Minneapolis, MN**
System Administrator   **01/2019 - 12/2020**

- Infrastructure Automation: Implemented AWS CloudFormation templates to automate infrastructure provisioning across multiple environments, resulting in a 50% reduction in deployment times. This initiative increased consistency and repeatability in application deployments, minimizing manual configuration errors and expediting environment setups for development and production.

- Cost Optimization: Analyzed usage patterns to optimize EC2 instances and S3 storage, achieving a 30% reduction in monthly cloud expenditures while maintaining high performance and availability. Regular cost audits and the application of AWS Trusted Advisor recommendations were instrumental in realizing these savings.

- Application Migration: Successfully managed the migration of over 100 applications to AWS from on-premises servers with zero downtime during the transition. This meticulous planning resulted in a 99.9% uptime for critical services post-migration, enhancing business continuity and user satisfaction.

- Monitoring Solution Design: Designed and executed a comprehensive monitoring solution using Amazon CloudWatch and AWS Lambda, enabling real-time performance and resource utilization monitoring. This proactive approach reduced incident response times by 40% through effective alerting mechanisms and automated remediation scripts, allowing the operations team to address issues proactively.

- Backup Systematization: Systematized backup processes for RDS databases by configuring automated snapshots and replication across regions, ensuring daily backups. This initiative decreased recovery time objectives (RTO) by 60%, enhancing data resiliency and minimizing downtime during disaster recovery scenarios.

- Network Performance Enhancement: Enhanced network performance by configuring AWS Direct Connect and VPC Peering, facilitating secure, high-speed connectivity between on-premises data centers and AWS resources. This configuration resulted in a 25% improvement in data transfer speeds, crucial for latency-sensitive applications and overall user experience.

- Security Best Practices: Developed and enforced security best practices for AWS environments, including IAM policies, security groups, and VPC configurations. This rigorous approach achieved a 100% compliance rate during security audits and significantly reduced vulnerability exposure, ensuring sensitive data protection in line with industry standards.

Wakefern Food   **Edison, NJ**
Linux Administrator   **02/2017 - 12/2018**

- Server Administration: Administered and maintained a robust Linux server environment across multiple data centers, achieving 99.8% system availability through proactive monitoring and regular maintenance. This significantly enhanced operational reliability for critical business applications.

- Configuration Management: Executed automated configuration management using Ansible and Puppet, streamlining the deployment of software and system updates across 200+ Linux servers. This automation reduced manual intervention by 60%, enabling the team to focus on strategic initiatives while ensuring consistent configurations and compliance with security policies

- Performance Optimization: Conducted regular performance tuning and resource utilization audits, identifying bottlenecks through system log analysis. Implemented solutions that led to a 30% increase in application performance and reduced response times for end-users.

- Backup and Recovery Strategies: Developed and managed backup and recovery strategies for critical Linux servers using rsync and Bacula. This initiative ensured daily secure backups and achieved a 90% reduction in recovery time during data loss incidents, enhancing data resilience and business continuity.

- Security Enhancements: Enhanced security posture by implementing firewalls, intrusion detection systems (IDS), and conducting regular security audits, resulting in a 100% compliance rate during internal and external audits. Developed and enforced security policies, including user access controls and patch management, ensuring robust protection against vulnerabilities.

- Monitoring Solutions: Implemented monitoring solutions using Nagios and Grafana to track system health and performance metrics in real-time. This proactive approach enabled a 40% reduction in incident response times, allowing the team to identify and resolve issues before they impacted the business.

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Education / Training Courses

TheITerns, LLC, IT Training & Mentorship Boot Camp, Specialization in DevOps - Frisco, TX, 12/2016

MS, Digital Marketing, Rutgers University - Newark, NJ, 02/ 2022

BFA, Kean University, Robert Busch School of Design - Union, NJ, May 2018

Diploma, The Chubb Institute, Multimedia Design - North Brunswick, NJ, December, 2004

Certification in progress: AWS Cloud Practitioner . HashiCorp Certified Terraform 003