DURRELL GEMUH ABWOENGMO

GCP & AWS DevOps | Site Reliability Engineer

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PROFESSIONAL SUMMARY

Senior DevOps Engineer with 5+ years of experience optimizing SaaS application deployments. Reduced deployment times by 40% for 15 applications, resulting in faster software releases. Proficient in CI/CD setup for Java Maven, Python, PHP, AWS, and GCP, achieving a 60% increase in deployment frequency. Increased deployment frequency by 60%, enabling more agile development. Proficient in Linux administration, achieving a 25% reduction in system response times, ensuring seamless operations. Managed an infrastructure of over 300 servers, maintaining high availability. Strong in communication and collaboration, continuously adapting to improve software and processes. Eager to contribute expertise to drive innovation.

SKILLS

- ❖ **DevOps Tools:** Docker, Kubernetes, Jenkins, Terraform, Ansible, Git, Helm, Vagrant
- ❖ **Cloud Platforms:** AWS, GCP, Digital Ocean, Linode
- ❖ **Scripting:** Bash**,** Python, JavaScript
- ❖ **Version Control:** Git, GitLab, GitHub, Bitbucket
- ❖ **CI and CD tools:** Jenkins, GitHub Actions, CodePipeline, Code Build
- ❖ **Monitoring and Security:** Prometheus and Grafana, Splunk, Cloudflare, Linux

- ❖ **Server administration:** Ubuntu, CentOS, Windows, RedHat
- ❖ **Programming Languages and Frameworks:** PHP, Laravel, Flutter, FlutterFlow
- ❖ **Databases**: MySQL, MongoDB, Redis, Firebase
- ❖ **Web Technologies:** Apache, Nginx, WordPress
- ❖ **Collaboration Tools:** JIRA, Confluence, Microsoft Teams

EXPERIENCE

Senior DevOps Engineer (Freelance)

BlueWindow Ltd | Msida, Malta   May 2023 - Present

- ❖ Cloud Migration Expertise: Led migrations of over 3000+ websites AWS and GCP, resulting in a 70% reduction in infrastructure costs and a 95% improvement in scalability and reliability.
- ❖ CI/CD Pipeline Optimization: Spearheaded the development and optimization of CI/CD pipelines, reducing deployment times by 95% and ensuring faster time-to-market for new features and updates.
- ❖ Scalable Architecture: Designed and implemented scalable cloud architectures that facilitated the seamless scaling of web applications based on traffic demands, improving performance during peak usage.
- ❖ Continuous Monitoring with Cloudflare integrations: Engineered comprehensive monitoring solutions integrated with Cloudflare's analytics and security features to proactively detect and resolve issues before they impact users. This resulted in a 25% reduction in incidents and optimized overall system reliability, leveraging Cloudflare's real-time analytics and security insights to continuously improve performance and security posture.
- ❖ Cost Efficiency: Created cost optimization strategies in cloud environments, resulting in a 30% reduction in operational expenses while maintaining high availability and performance.
- ❖ Lead DevOps Engineer: Managed the DevOps team, developing and implementing solutions that boosted productivity and efficiency.

DevOps Engineer | Freelance

LILLUP | San Francisco   February 2024 – November 2024

- ❖ Led a cross-functional team of developers, testers, and infrastructure engineers as the project coordinator, driving successful completion of critical DevOps initiatives. Defined project scope, set milestones, and ensured adherence to deadlines while managing team communication and task delegation.
- ❖ Managed AWS IAM users, roles, and policies, enforcing security best practices for role-based access control, and ensuring compliance with company security protocols.
- ❖ Deployed and managed the company's website using Cloudflare's serverless architecture, significantly improving scalability, security, and operational costs. Integrated Cloudflare's security features, including DDoS protection, SSL/TLS encryption, and WAF (Web Application Firewall), reducing security incidents by 40%.
- ❖ Executed daily DevOps tasks, including building and managing CI/CD pipelines using Jenkins and Terraform, which ensured efficient deployment processes and infrastructure-as-code management, improving deployment reliability and speed.
- ❖ Deployed Android applications on AppCenter for testing, streamlining the mobile app development lifecycle and enabling quicker feedback from testing teams.
- ❖ Developed strategic documentation and DevOps playbooks, ensuring that the team adhered to best practices and consistent workflows across projects.

AWS DevOps Engineer

Data Service Group Inc | Bear, Delaware   November 2021 – June 2023

- ❖ Revamped build and deployment process with Jenkins and Maven, eliminating 85% of manual work.
- ❖ Collaborated with the leadership team to enhance network infrastructure resulting in uptime of 99.9%.
- ❖ Reviews all AWS accounts and environments to avoid additional costs, decreased 63% of quarterly bills.
- ❖ Executed a CI/CD pipeline with Jenkins for deploying application updates across 5environments within ~10 minutes.
- ❖ Automated the deployment of 90+ cloud servers using Docker, Kubernetes, and AWS with the help of terraform.
- ❖ Developed an internal tool that lets 170+ developers deploy their own VMs within 60 seconds rather than 16+ minutes.

Site Reliability Engineer

Data Service Group Inc | Bear, Delaware   October 2019 – November 2021

- ❖ Executed a health check system for Kubernetes clusters that reduced mean time to repair from15 days to 11 hours.
- ❖ Engineered a tool to automate the creation of Kubernetes clusters using Terraform reducing creation time from 2 hrs. to 20 minutes and integrated it into the company's CI/CD pipeline.
- ❖ Created a dashboard in Grafana to monitor cluster health, resource utilization and performance metrics software engineers use to troubleshoot problems with their infrastructure.
- ❖ Documented procedures to deploy Kubernetes clusters via Helm charts and best practices for deploying applications onto Kubernetes, which 20+ SREs use in other companies.

Linux System Administrator

ZOTECH Company Limited   August 2018 – October 2019

- ❖ Administered and maintained Linux-based servers, ensuring high availability and security.
- ❖ Installed, configured, and ameliorated Linux operating systems, including CentOS and Ubuntu.
- ❖ Wrote scripts to automate scheduled system patching. Saved 4 hours/week.
- ❖ Set up in-house computer system for small web design firm. Completed work 15% under budgetand 10 days before due date.
- ❖ Managed user accounts, permissions, and access controls, serving a user base of 200+.
- ❖ Performed regular system updates, patches, and security enhancements, maintaining a 99.99% uptime.
- ❖ Set up and maintained backup and disaster recovery solutions, reducing data loss risk by 95%.
- ❖ Troubleshooted and resolved hardware and software issues promptly, with a 90% resolution rate within 1 hour.

IT Administrator | Flutter Developer

SCHOLA   August 2017 – August 2018

- ❖ Provided technical support to clients, resolving an average of 30 technical issues per month, resulting in a satisfaction rate of 95%.
- ❖ Assisted up to 10 employees daily with the installation, configuration, and ongoing usability of desktop computers, peripheral equipment, and software.
- ❖ Reduced company issue resolution times from 1-2 weeks to 5 minutes - 1hour by providing local IT assistance.
- ❖ Improved department's production efficiency by 40% through implementing Agile-scrum methodology to enforce workflows.
- ❖ Provided 24-hour tech support and customer service support.

KEY INITIATIVES

- ❖ Founder | DevOps Playground Academy

CERTIFICATIONS

- ❖ AWS Cloud Practitioner
- ❖ Award Certificate, 3rd Edition STEM PRIZE 2019 Competition
- ❖ AWS RE/START

EDUCATION

Bachelors in Computer Engineering | University of Buea