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| **Alain Fietsop****DevOps Engineer** | [**fietsopalain87@gmail.com**](mailto:fietsopalain87@gmail.com) **• (701) 215-8604**https://www.linkedin.com/in/alain-fietsop-405b352a5/ **• Rockwall, TX** |
| **Success-driven, results-oriented DevOps/Cloud Engineer with 6+ years of expertise in designing and implementing robust infrastructure solutions to optimize efficiency and enhance system performance. Skilled in streamlining processes, automating tasks, and deploying scalable and secure cloud environments. Proven ability to collaborate with cross-functional teams to identify and address technical challenges. Adept at troubleshooting and resolving complex issues to ensure reliable and continuous delivery of applications. Proficient in utilizing cutting-edge technologies and tools to drive innovation and improve overall productivity. Strong expertise in implementing and managing CI/CD pipelines to enable seamless software development and deployment.** | |
| **Technical Skills** | |
| * **Operating System:** Linux (Redhat, Ubuntu, CentOS), Windows * **Version Control Tools:** Git/GitHub/GitLab * **Build Tools:** Maven * **Static Code Analysis Tool:** SonarQube * **Artifactory Repository:** Nexus, Jfrog * **Application Server:** Tomcat, JBoss, Wildfly * **Continuous Integration & Deployment:** Jenkins * **Configuration Management Tool:** Ansible * **Container Tool:** Docker * **Container Orchestration Tool:** Kubernetes * **Resource Provisioning Tools:** Terraform * **Containerization Platform:** Docker * **Cloud Services:** AWS (EC2, S3, EBS, ELB, IAM, AMI) * **Programming & Scripting:** Shell, Java, Groovy, Javascript * **Bug/Defect Tracking Tool:** JIRA * **Cluster Management Tools:** Prometheus and Grafana, New Relic, Datadog * **Log Management:** ELK/EFK * **Load Balancers:** Nginx, HAProxy | |
| **Professional Experience** | |
| **Dominion Systems Inc, Irving, Texas****DevOps/Cloud Engineer** | **October, 2018 — Present** |
| Collaborate with cross-functional teams to fortify security practices, gather requirements, and design scalable infrastructure solutions. Orchestrate container-based deployments using Docker and oversee Docker images and registries to facilitate seamless deployments. Establish and manage Kubernetes clusters using KOPS, EKS, and Kubeadm, ensuring smooth installation and setup of clusters. Configure Nginx to proxy RESTful API calls to microservices in Docker containers, improving performance and scalability. Utilize AWS CloudWatch to monitor performance metrics of environment instances, proactively identifying and resolving any operational issues. Lead implementation of Kubernetes charts using Helm, streamlining management and deployment of application resources. Coordinate and assist developers in establishing and applying appropriate branching, labeling, and naming conventions using GIT source control. Leverage Jira and Confluence as tools for tracking vulnerabilities, managing requests and incidents, and documenting workflows and processes.   * Facilitated operational cost savings of 75% by orchestrating migration of microservice application to AWS cloud. * Achieved 40% faster deployment and improved compliance with DevOps automation standards, enhancing software delivery efficiency by streamlining and managing CI/CD pipeline using Jenkins. * Reduced deployment failures by 30% and improved overall system stability by pivoting deployment strategies standardization. * Slashed service downtime to under 2 hours by effectively leading incident response efforts and providing hands-on troubleshooting. * Implemented self-healing-based auto scaling architectures, ensuring high availability and business continuity for critical applications. * Improved code quality and coverage by setting quality gate policies on SonarQube, resulting in the identification and mitigation of bugs and vulnerabilities. * Scaled infrastructure to support significant increase in user base, resulting in improved system performance and user experience. * Enabled proactive issue detection and resolution by implementing comprehensive application monitoring using Prometheus, Grafana, and NewRelic. * Managed and optimized AWS infrastructures by implementing best practices and utilizing various services encompassing IAM, VPC, EC2, ECS, and RDS. * Automated environment provisioning and server configuration using Ansible, improving deployment efficiency and reducing deployment time. * Implemented infrastructure-as-code practices using Terraform, resulting in improved efficiency and standardized deployments across multiple teams. * Led team of 10+ members in designing and building highly available and scalable infrastructure for applications with millions of users. * Mentored and coached 8+ junior software engineers, providing guidance and support to enhance their skills in DevOps and infrastructure management. | |
| **Siemens, Fargo, North Dakota****Cloud Engineer** | **October, 2016 — 2018** |
| Orchestrated AWS EC2 instance management, including provisioning, patch maintenance, and performance enhancements. Oversaw diverse AWS cloud environments, focusing on automation, real-time monitoring, disaster recovery, and capacity planning. Collaborated cross-functionally to containerize and orchestrate applications using Docker and Kubernetes. Conducted regular security assessments for AWS environment security measures. Provided responsive on-call support for minimizing service disruptions. Collaborated across departments for evaluating project needs and delivering cloud solutions. Directed and enhanced AWS services management, including EC2, RDS, S3, IAM, VPC, CloudWatch. Fostered collaboration with development teams for containerization and orchestration of applications. Delivered responsive on-call support for uninterrupted critical service availability. Demonstrated adept management of AWS services like EC2, RDS, S3, IAM, VPC, and CloudWatch. Crafted infrastructure blueprints for high availability and business continuity. Executed rigorous security assessments and instated best practices for compliance.   * Enhanced efficiency with secure, scalable AWS S3 repositories for data storage. * Optimized resource utilization in AWS services management. * Enabled high availability and business continuity through self-healing auto-scaling architectures. * Mitigated vulnerabilities and upheld regulatory compliance through comprehensive security assessments. * Elevated data storage and management efficiency with secure, scalable AWS S3 buckets. * Achieved 75% reduction in operational costs by transitioning infrastructure to AWS cloud. * Optimized and simplified development workflows with CI/CD pipelines using Jenkins and GitLab. * Minimized service interruptions and ensured uninterrupted critical service availability. * Improved resource utilization in managing AWS services. * Implemented self-healing auto-scaling architectures for robust infrastructures. * Diminished vulnerabilities and maintained compliance standards through security assessments and best practices. | |
| **Education****Bachelor of Engineering in Computer Engineering** University of Buea, Cameroon | |
| **Certifications** | |
| **AWS Solution Architect**, Amazon Web Services, Seatle, WA | |