

SR AWS DEVOPS ENGINEER

Senior AWS Devops Engineer with hands-on experience designing, developing, and implementing complex software solutions. Well-versed in the software development lifecycle, from requirement analysis and system design to coding, testing, deployment, and maintenance. Expertise in creating templates to automate the provisioning and configuration of infrastructure components. Skilled in Identifying and addressing performance bottlenecks in the infrastructure and applications to optimize resources for cost efficiency and performance improvement. Adept at collaborating with cross-functional teams to gather and refine project requirements, ensuring successful delivery within specified timelines and budgets.

Key Skills & Abilities

- Software Development Lifecycle
- Technical Project Management
- Requirements Gathering & Analysis
- Source-Code Management
- Team Building & Leadership
- Software Issues Troubleshooting
- Infrastructure as Code (IaC)
- Scripting & Automation
- Code Testing & Debugging

Professional Experience

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- Design, implement, and maintain Infrastructure as Code using tools, such as Terraform and AWS Cloud Formation.
- Partner with cross-functional teams to define infrastructure requirements and ensure code deployment efficiency.
- Manage and optimize AWS resources to ensure cost-effectiveness and scalability.
- Maintained comprehensive infrastructure documentation, ensuring accurate and up-to-date information for all components.
- Led the migration from a monolithic architecture to a microservices-based approach using Kubernetes, enhancing scalability and modular development.
- Implemented Docker containers for individual microservices, streamlining deployment and reducing dependencies.
- Implemented comprehensive monitoring solutions for Kubernetes clusters using Prometheus and Grafana, enabling real-time visibility into system performance.
- Implemented API Gateway and AWS Cognito for secure and scalable serverless APIs.
- Configured and optimized VPC networking for complex architectures, ensuring secure and efficient communication
- Automated **AWS deployment** templates for both **relational** and **NoSQL** databases, optimizing **Java**, **PHP**, and **Node.js** web app deployment with **AWS Beanstalk** for streamlined hosting between services.
- Orchestrated database migrations to AWS RDS, optimizing performance and scalability.
- Implement and configure monitoring solutions for infrastructure and application components.

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- Coordinated with development and operations teams to define and implement infrastructure requirements.
- Designed and implemented a robust 3-tier architecture for scalable and modular application deployment.
- Recognized for integrating code repositories with CI/CD tools and configuring automated testing.
- Monitored and troubleshoot AWS infrastructure to address performance and reliability issues.
- Played a vital part in reducing manual intervention, refining workflows, and elevating the overall efficiency of the **pharmacy software delivery lifecycle**.
- Implemented Kubernetes Horizontal Pod Autoscaling (HPA) for dynamically adjusting resources, ensuring optimal performance during peak usage.
- Efficiently configured **Kubernetes**, Docker, Docker Compose, Docker Swarm, and a Containerized BigID app including Tomcat, Nginx, Hadoop, and Node.js.
- Wrote automation scripts using languages, such as Python, Shell, and PowerShell to streamline operational processes.
- Executed a seamless data migration strategy using AWS DMS, ensuring minimal downtime and data integrity during a critical database migration.
- Integrated AWS KMS and IAM policies to automate encryption and access control, enhancing overall system security.
- Conducted regular security audits using AWS Config, ensuring compliance with industry standards.

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- Learned and contributed to the development and management of CI/CD pipelines for automated software delivery.
- Facilitated the deployment and management of AWS resources under the guidance of senior team members.
- Performed outstandingly to support in automating routine tasks to enhance overall operational efficiency.
- Assisted in basic capacity planning tasks for guaranteeing systems efficiently handle current and future workloads.
- Managed server builds, deployments, and led the smooth migration of Red Hat Linux servers.

- Collaborated with the application team to swiftly resolve post-migration issues.

Education

Bachelor of Science, Computer Science – University of Buea, Cameroon

Technical Proficiencies

Cloud Environments	Amazon Web Services (AWS), Azure,
Configuration Management Tools	Ansible, Chef
Containerization Tools	Docker, Kubernetes, OpenShift, Docker Swarm, Docker Compose, ECS & EKS
Virtualization	Hyper-V, VirtualBox, VMware, PowerVM
Operating Systems	Red Hat Linux, Unix, Ubuntu, Windows, macOS
Automation Tools	ANT, Maven, Jenkins, Terraform, Gradle
Database	MongoDB, MySQL, Amazon Aurora, DynamoDB
Scripting Languages	Python, PowerShell, JSON, YAML
Networking/Protocols	DNS, DHCP, SMTP, LAN, HTTP, SNMP
Version Control Tools	Git, Bitbucket, SVN, GitLab, GitHub, Code Commit, Azure Devops
Monitoring Tools	SonarQube, Splunk, Nagios, CloudWatch, ELK, JIRA
Application and Web Servers	Oracle WebLogic, IBM WebSphere, JBoss, Apache HTTP, Nginx, IIS, Apache Tomcat
AWS Services	EC2, EFS, VPC, RDS, S3, Glacier, IAM, Cloud Front, Cloud Watch, Cloud Trail, Lambda, Route53, SNS, SQS, API Gateway, Elastic Beanstalk, RDS, Data Pipeline, DynamoDB, Redshift, IAM, KMS, Cognito, API Gateway, Cloud Trail, Cloud Watch, Config, Trusted Advisor, Security Groups, NACL
Server Configuration Management:	Chef, Puppet & Ansible
Package & Repository	Nexus, Artifactory, & Linux RPM