**Summary**

* Around 4 years of experience as a DevOps Engineer, specializing in cloud infrastructure, automation, and continuous integration/delivery (CI/CD).
* Expertise in migrating critical healthcare applications to AWS and Google Cloud, ensuring HIPAA-compliant environments and zero-downtime transitions.
* Proficient in container orchestration with Kubernetes and OpenShift, optimizing scalable and secure environments for production applications.
* Strong experience in automating cloud infrastructure using Terraform, CloudFormation, and managing cloud resources with a focus on scalability and security.
* Skilled in implementing and managing monitoring solutions like ELK Stack and Splunk to enhance visibility, troubleshoot, and ensure high system performance.
* Demonstrated ability in developing automation scripts using Python, Shell, and PowerShell to streamline workflows and reduce manual interventions.
* Expertise in managing databases such as DynamoDB, MySQL, and MongoDB, ensuring high availability, backup strategies, and performance optimization.
* Focused on security and compliance, with experience integrating security tools like SonarQube and conducting continuous security audits to meet industry standards.

**Skills**

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| |  |  | | --- | --- | | **CI/CD Tools** | Jenkins, GitLab CI/CD, AWS Pipeline | | **Containerization** | Docker | | **Deployment/Orchestration** | Kubernetes, EKS, ECS | | **Infrastructure as Code** | Terraform, CloudFormation | | **Configuration Management** | Ansible, Puppet, Chef | | **Build tools** | Maven, Ant, npm, MsBuild | | **Artifactory Repository** | Nexus, S3 | | **Cloud Platforms** | Amazon Web Services (AWS), Google Cloud Platform (GCP), Azure | | **AWS Services:** | EC2, ELB, IAM, S3, Cloud Watch, Redshift, Autoscaling, Cloud Formation, ECS Cluster, Lambda, RDS, ECS, EKS | | **Database Management** | MySQL, PostgreSQL, MongoDB, RDS, DynamoDB | | **Testing Tools** | SonarQube, Selenium, Junit, HarshiCorp Vault. | | **Monitoring** | CloudWatch, Prometheus, Grafana, Splunk | | **Scripting** | Bash, Python, Java, PowerShell. | | **Collaboration Tools** | Slack, Microsoft Teams, Jira, Confluence, Trello | | **Version Control** | Git, GitHub, GitLab, Bitbucket, AWS Code Commit | | **Operating Systems** | Linux (Ubuntu, CentOS, Red Hat), Windows Server | |

**Education**

**Master of Science in Computer Science** – Indiana Wesleyan University, Indiana

**Bachelor of Technology** – Anurag Engineering College, Hyderabad

**Certifications**

**AWS Certified DevOps Engineer-Professional**

**Certified Kubernetes Administrator (CKA)**

**Experience**

**Cigna**, **USA | Nov 2023 – Current | DevOps Engineer**

* Spearheaded the migration of legacy healthcare applications to AWS cloud environments, ensuring a seamless transition with zero downtime and minimal operational disruption throughout the process.
* Designed and implemented HIPAA-compliant cloud environments using AWS services, safeguarding sensitive patient data during the migration of healthcare systems to the cloud.
* Migrated healthcare data to Amazon DynamoDB, ensuring high availability and scalability while optimizing performance through proper partitioning and indexing strategies.
* Managed the deployment and configuration of healthcare applications using Helm charts, leveraging Kubernetes for container orchestration to ensure scalable, secure, and compliant environments, while optimizing deployment and management processes.
* Implemented the ELK stack (Elasticsearch, Logstash, Kibana) for centralized logging and real-time monitoring of healthcare applications, enhancing troubleshooting and performance analysis by streamlining system log insights across cloud infrastructure.
* Integrated SonarQube into the development pipeline for continuous code quality inspection, automating analysis to identify vulnerabilities and ensure coding standards compliance throughout the application development lifecycle.
* Configured and optimized Jenkins pipelines to automate CI/CD processes, streamlining the deployment of healthcare applications to cloud environments while maintaining security, compliance, and high operational standards.
* Leveraged Git for version control, facilitating collaboration, efficient change tracking, and seamless code management across cross-functional teams during the deployment and ongoing maintenance of healthcare applications.

**Tata Consultancy Services**, **INDIA | Oct 2021 – Nov 2022 | DevOps Engineer**

* Developed and maintained automation tools using Jenkins and Shell scripting, optimizing build, release, and deployment processes to minimize errors and reduce manual efforts across environments.
* Partnered with development teams to troubleshoot and resolve build and performance issues across Development, Testing, Pre-Production, and Production environments, ensuring seamless application delivery.
* Managed and optimized MySQL databases, ensuring high performance and reliability with effective indexing, query optimization, and backup strategies, supporting smooth integration with application deployments.
* Led the deployment and management of Kubernetes clusters, enhancing container orchestration across multiple environments, ensuring scalability and high availability through package management.
* Managed and optimized Amazon Redshift clusters, enhancing data processing through query optimization and ETL workflow management, improving reporting and analytics performance.
* Configured and optimized Splunk for centralized log aggregation and real-time monitoring, increasing system visibility, accelerating incident detection, and streamlining troubleshooting.
* Provided critical support for IBM HTTP Server (IHS) and IBM WebSphere Application Server (WAS), overseeing code deployments and change management to maintain operational stability.
* Acted as Disaster Recovery (DR) Coordinator for EMEA-DR 2021, managing network failures and firewall incidents, resolving 25% of critical incidents promptly and enhancing customer satisfaction.
* Awarded for exceptional performance during EMEA-DR 2021 for resolving critical incidents and ensuring minimal downtime.
* Used **Maven** in conjunction with **Nexus Repository Manager** for efficient artifact management, ensuring seamless retrieval and version control of build artifacts in a centralized repository.

**Birla Soft**, **India | Jan 2020 – Aug 2021 | DevOps Engineer**

* Developed and maintained automation scripts and tools using Python, streamlining workflows, improving efficiency, and integrating various systems and applications within the DevOps pipeline.
* Provisioned and configured cloud environments in compliance with security and auditing requirements using Terraform, enabling consistent, repeatable, and auditable infrastructure setups.
* Automated the application of security policies and configuration management using Ansible, ensuring all infrastructure components comply with internal security standards and compliance frameworks.
* Utilized Docker to containerize applications, integrating security scanning tools into the CI/CD pipelines to automatically detect vulnerabilities and ensure compliance with security policies.
* Built automated CI/CD pipelines using GitLab CI to integrate compliance checks into the software delivery process, reducing manual effort and ensuring real-time policy enforcement.
* Integrated automated security scanning tools such as SonarQube into the DevOps pipeline, enabling continuous monitoring of code quality and security for all stages of development and deployment.
* Administered cloud security across AWS and GCP environments, which reduced security incidents by 30%. Conducted continuous audits of cloud resources, ensuring 99.9% compliance with internal security standards.
* Implemented real-time monitoring of compliance and security metrics using Prometheus, ensuring that any non-compliant or insecure configurations were immediately flagged for remediation in the DevOps pipeline.
* Managed and optimized MongoDB databases, ensuring high availability and scalability for mission-critical applications. Implemented automated backups and query optimization to maintain efficient database operations.
* Managed project workflows and tracked development progress using Jira, ensuring 95% on-time delivery and effective sprint planning, while facilitating communication across 5+ cross-functional teams.