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**Passionate DevOps Engineer with 5 Years of Experience | Certified Kubernetes Administrator**

Seeking a DevOps Engineer role to optimize cloud resource utilization, automate workflows, and accelerate delivery times for enhanced operational efficiency.

**KEY SKILLS**

* **Programming Languages:** Python, Core Java, Shell & Batch Scripting
* **Version Control Systems:** Git, SVN
* **Cloud Environments:** AWS
* **CI/CD Tools:** Jenkins, AWS CodePipeline
* **Static Code Analysis:** SonarQube, Coverity
* **Configuration & Automation Tools:** Ansible, Terraform, Ant, Gradle, Maven
* **Monitoring & Logging Tools:** Prometheus, Grafana, AWS CloudWatch
* **Containerization & Orchestration:** Docker, ECS, EKS, Kubernetes
* **Security & Compliance Tools:** BlackDuck
* **Artifact Management:** JFrog Artifactory, S3 Bucket

**WORK EXPERIENCE**

**Veritas Technologies (Now part of Cohesity),** Pune — Software Engineer III - *DevOps*

Jan 2023 – PRESENT

* Initiated production-grade automated build pipelines and enhanced existing manual build processes for core Veritas products (NetBackup, ITA), improving build efficiency by 30%.
* Leveraged Python for build automation and developed Dockerized builds for Spring Boot applications, reducing build times by 30% and increasing deployment success rates by 25% across 50+ application builds.
* Integrated cloud services with Jenkins build pipeline, enabling a 20% reduction in deployment time. Generated AWS cloud infrastructure using Terraform and configured it with Ansible, streamlining resource management and achieving **99.9% infrastructure uptime**. Systematized dynamic infrastructure provisioning and resource clean-up through CI pipelines, reducing manual intervention by **40%**, and set up new VMs with required compilers and tools to optimize the build process.
* Enforced best security practices, ensured compliance with industry standards and regulations Set up and upgraded Coverity analyzer on build machines, reducing code defects by **30%**. Integrated Jacoco to collect coverage metrics, increasing code coverage by **15%**, and applied Black Duck scanning for ITA products, identifying and mitigating over **500 open-source risks and vulnerabilities** within a year.
* Set up Kubernetes infrastructure on-premises (using kubeadm) and in the cloud (AKS) using Ansible and Terraform, improving cluster deployment efficiency by **25%**. Deployed VMware vCenter, ESXi, and VRP (Veritas Resiliency Platform) product appliances, and set up Kubernetes clusters to test Alta and Alta View deployment scenarios, achieving **consistent 100% test coverage** for deployment use cases.

**Ness Technologies,** Pune — Software Engineer - *DevOps*

Mar 2022 – Jan 2023

* Created Jenkins-based CI/CD frameworks for Java applications, reducing deployment time by 30% and enabling seamless Continuous Integration, Continuous Deployment, and Continuous Testing across environments.
* Delivered shell script utilities that mechanized end-to-end processes, reducing manual intervention by 50% and minimizing operational errors.
* Developed 20+ Ansible playbooks for tasks such as Oracle DB exports and Kubernetes deployments, improving efficiency and reducing deployment time by 40%. Built an end-to-end workflow to create EKS clusters using Terraform and configured them with Ansible, streamlining deployments and achieving 99.9% cluster uptime.
* Designed and implemented monitoring and alerting solutions using Prometheus and Grafana, reducing system downtime by 25% and ensuring prompt issue resolution within SLA timelines.

**Tata Consultancy Services,** Pune — System Engineer – *DevOps and Java Developer*

Feb 2020 – Feb 2022

* Developed 10+ REST APIs using Spring Boot in a microservices architecture, adhering to agile methodologies, and reducing development cycle time by 20%.
* Migrated a COBOL-based Western Union monolith application to a Java Spring Boot microservices model, leveraging advanced Java 8 features. Successfully migrated a 500,000+ record PostgreSQL database and deployed microservices on AWS, improving application scalability by 30% and performance by 25%.
* Enhanced test coverage by 20% through the implementation of JUnit and Mockito tests, tracked via EclEmma and JaCoCo. Improved code quality by reducing code smells by 40% using SonarQube. Integrated Jenkins CI/CD pipelines to automate builds and testing, enforcing an 80%+ test case pass rate and achieving a 95% successful deployment rate.
* Resolved 100+ application issues in the AWS cloud environment by analyzing AWS CloudWatch logs, ensuring 99.9% application uptime and reducing mean time to resolution (MTTR) by 25%.

**EDUCATION**

* **Kolhapur Institute of Technology** — *B.E.*

July 2015 – May 2019

Mechanical Engineering

**PROJECTS**

* **Project: AWS Infrastructure Setup with Public/Private Subnets, VPC, Load Balancer, Bastion Server, and Auto Scaling**  
  **Description:** Designed and implemented a scalable AWS infrastructure using Virtual Private Cloud (VPC), segregating resources into public and private subnets. Deployed an Elastic Load Balancer (ELB) to distribute traffic across **10+ EC2 instances**, achieving **99.9% availability**. Configured a Bastion server to secure private subnet access, reducing unauthorized access attempts by **100%**. Leveraged Auto Scaling Groups to dynamically scale instances, optimizing performance and reducing costs by **30%** during peak traffic periods.  
  **Key Technologies:** AWS VPC, EC2, Auto Scaling, Elastic Load Balancer, Bastion Host, Security Groups, IAM, CloudWatch
* **Project: Streamlined CI/CD Pipeline on AWS**  
  **Description:** Built a CI/CD pipeline from scratch using AWS services and GitHub, reducing deployment time by **40%** and minimizing manual errors. Automated the build, test, and deployment processes using AWS CodeBuild, CodePipeline, and CodeDeploy, ensuring a **90% reduction in build failures**. Utilized AWS CloudFormation for infrastructure provisioning, enabling repeatable and consistent deployments.  
  **Key Technologies:** AWS CodeBuild, CodePipeline, CodeDeploy, GitHub, AWS CloudFormation, EC2, IAM, SNS, CloudWatch
* **Project: Jenkins-Based Pipeline for ITA Deployment on On-Prem Kubernetes**  
  **Description:** Developed a secure Jenkins CI/CD pipeline for IT Analytics (ITA) deployment on an on-prem Kubernetes environment, integrating DevSecOps practices. Automated deployment tasks using Ansible playbooks, reducing deployment time by **50%** and enhancing security posture by integrating pre-deployment security scans.  
  **Key Technologies:** Jenkins, Ansible, Kubernetes, DevSecOps practices
* **Project: AWS Cloud Cost Optimization**  
  **Description:** Delivered a cost optimization solution for AWS infrastructure by automating the detection and management of underutilized or idle resources. Implemented Shell scripts and AWS CLI workflows for monitoring and reporting, leading to **25% monthly cost savings**. Leveraged AWS Lambda and Cron Jobs for real-time alerts and optimization actions, achieving a **30% reduction in unnecessary resource usage**.  
  **Key Technologies:** Shell scripting, AWS CLI, CloudWatch, Cron Jobs, AWS Lambda

**ACHIEVEMENTS**

* **Certified Kubernetes Administrator (CKA-2024)**
* **WOW award for developing CI/CD pipeline for deploying ITA (IT Analytics) on an on-prem Kubernetes environment using Ansible playbook.**