DEEPAK KUMAR D

AWS DEVOPS ENGINEER

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PROFESSIONAL SUMMARY

DevOps Engineer with 3.5 years of experience in building CI/CD pipelines, resolving Java/Maven build issues, and managing deployments across Dev, Test, Staging, and Production environments. Skilled in fixing Java version mismatches, updating environment variables like JAVA_HOME, and optimizing pom.xml for reliable builds in Jenkins and Tomcat. Experienced in packaging validated applications into Docker images and deploying them to Kubernetes (EKS) using automated pipelines. Strong background in AWS, Terraform, Ansible, Docker, and Kubernetes, with hands-on experience setting up cloud infrastructure, automating deployments, and implementing monitoring with Prometheus and Grafana. A detail-oriented team player with solid troubleshooting skills and a focus on automation, consistency, and smooth release workflows.

EXPERIENCE

Concentrix Daksh Pvt - **DevOps Engineer**
Bengaluru, India
09/2020 - 01/2024
Worked as a DevOps Engineer handling CI/CD pipelines, build failures, Java version issues, updating JAVA_HOME, and fixing Maven/pom.xml compatibility for smooth deployments in Dev/Test. Later packaged validated builds into Docker images and deployed them to Kubernetes for staging and production.
Technologies: AWS, Kubernetes, Docker, Terraform, Ansible, Jenkins, Git, Prometheus, Grafana, CI/CD

Key Responsibilities:

- Built and maintained CI/CD pipelines in Jenkins for automated build, test, and deployment workflows.
- Diagnosed and resolved build failures caused by Java version mismatches, Maven configuration errors, and environment issues.
- Managed Linux server environments (Ubuntu), including PATH updates, JAVA_HOME settings, user permissions, and service configurations.
- Automated application packaging using Docker by creating optimized Dockerfiles and maintaining versioned container images.
- Deployed microservices and applications on Kubernetes (EKS) with auto-scaling, rolling updates, and zero downtime.
- Developed and maintained Terraform scripts (IaC) for provisioning AWS cloud infrastructure.
- Used Ansible for automated configuration management, patching, and server provisioning.
- Set up monitoring and alerting using Prometheus and Grafana to track cluster and application health.
- Collaborated with developers to resolve integration issues, pull request conflicts, and repository management using Git/GitHub.

EDUCATION

04/2019
Presidency University
Bengaluru, India

B.E: Mechanical Engineering

NARAYANA PU COLLEGE
Bengaluru, India

Some College (No Degree): PCMC, 12th

08/2012
EVERSHINE HIGH SCHOOL
Bengaluru, India

SSLC (10th Class)

CERTIFICATIONS:

- **Docker Essentials: A Developer Introduction** – *StarAgile, powered by IBM Developer Skills Network* (March 15, 2025)
- **DevOps Fundamentals** – *StarAgile, powered by IBM Developer Skills Network* (March 5, 2025)
- **Scalable Web Applications on Kubernetes** – *StarAgile, powered by IBM Developer Skills Network* (March 12, 2025)

SOFT SKILLS

- Strong Problem-Solving and Debugging Skills
- Effective Collaboration in Cross-Functional Teams
- Adaptability to Changing Requirements
- Analytical Thinking in Time-Critical Environments

- Automated routine DevOps tasks with Python, including log cleanup, backups, and environment checks.
- Ensured smooth deployments by resolving Java/Maven issues in Dev/Test, then packaging validated builds into Docker images and deploying them to Kubernetes for staging and production.

PROJECT

Project 1: CI/CD Pipeline & Deployment Automation for Java Microservices
Tech: Jenkins, Maven, Docker, Kubernetes (EKS), GitHub, Ubuntu, Prometheus, Grafana
Description:
- Built and maintained CI/CD pipelines in Jenkins to automate build, test, and deployment stages for multiple Java-based microservices.
- Resolved build failures by fixing Java version mismatches, updating JAVA_HOME, and adjusting pom.xml for compiler compatibility.
- Packaged validated applications into Docker images using optimized Dockerfiles and pushed versioned images to the registry.
- Deployed microservices to Kubernetes (EKS) with rolling updates, ensuring zero downtime.
- Integrated Prometheus and Grafana dashboards to monitor cluster performance, pod health, and application latency.

Project 2: AWS Infrastructure Automation & Kubernetes Deployment (Terraform + EKS)
Tech: AWS EC2, EKS, Terraform (IaC), Ansible, Docker, Jenkins, GitHub
Description:
- Designed and automated AWS infrastructure using Terraform to provision EC2 instances, networking, IAM roles, and Kubernetes clusters.
- Automated server configuration and environment setup using Ansible for consistent Dev/Test/Staging environments.
- Deployed containerized applications to EKS after CI validation, ensuring standardization across environments.
- Implemented CI/CD pipelines in Jenkins for continuous integration and automated deployments to Kubernetes.
- Improved deployment stability by validating Java builds in Dev/Test, ensuring consistent images before promoting to staging/production.

SKILLS

- **Operating Systems:** Linux (Ubuntu), Windows
- **Cloud Platforms:** AWS
- **Cloud Services:** EC2,EBS, EFS, S3 ,VPC, EKS, Route53, IAM, CloudWatch, Load Balancer, Auto Scaling.
- **Version Control:** Git, GitHub
- **CI/CD Pipelines:** Jenkins
- **Containerization & Orchestration:** Docker, Docker Compose, Kubernetes
- **Infrastructure as Code (IaC):** Terraform
- **Configuration Management:** Ansible
- **Monitoring & Logging:** Prometheus, Grafana,
- **Security & Code Quality Tools:** Trivy, SonarQube
- **Scripting Languages:** YAML, JSON, Python (Scripting, Automation)
- **Built Tool:** Maven
- **Web Services & Servers:** Apache, Nginx

ACCOMPLISHMENTS

Recognized with the Star Award at Concentrix for stabilizing Dev/Test environments by fixing Java/Maven build issues and ensuring seamless deployment to Docker and Kubernetes.