Aakanksha Patil.
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Professional Summary

DevOps Engineer with 3 **years of experience** in designing, automating, and optimizing scalable, secure, and high-performance cloud infrastructure. Proficient in **AWS/Azure services (EC2, S3, IAM, RDS, Lambda, VPC, CloudFormation, CloudWatch, EKS)**, **CI/CD pipelines (Jenkins, GitLab, GitHub Actions)**, and **IaC (Terraform, Ansible)**. Experienced in **Docker/Kubernetes containerization**, monitoring with **Grafana, Prometheus,** and ensuring security with **IAM, KMS, Secrets Manager**. Proven ability to reduce costs, improve uptime, and accelerate release cycles through automation.

Technical Skills

- **Cloud Platforms:** AWS (EC2, S3, RDS, ECR, Lambda, CloudFront, CloudWatch, CloudFormation, VPC, ALB, SQS, SNS, API Gateway, IAM)

- **CI/CD Tools:** Jenkins, GitHub Actions, GitLab CI

- **Build Tools:** Maven

- **IaC & Automation:** Terraform, AWS CloudFormation, Ansible (basic), Shell Scripting, Python (basic–intermediate), Bash

- **Containers & Orchestration:** Docker, Kubernetes, AWS EKS

- **Container Registries:** Docker Hub, AWS ECR

- **Monitoring & Logging:** CloudWatch, Grafana, Prometheus, ELK Stack (basic)

- **Security & Networking:** IAM, VPC, Subnets, Route Tables, Load Balancer, AWS KMS, Secrets Manager
- **Collaboration:** Agile/Scrum, Jira, Confluence, Git

Professional Experience
Capgemini, Mumbai
Sr. Analyst (Aug - 2024)
Client: Sam'sClub Walmart (Retail Domain, US) | Role: DevOps Engineer

- Designed and deployed scalable infrastructure Microservices web applications (**EC2, S3, IAM, RDS, Lambda, VPC**).

- Automated provisioning with **Terraform & CloudFormation**, reducing manual setup by **70%**.

- Implemented **CI/CD pipelines** using Jenkins, GitLab CI/CD, and GitHub Actions, enabling **zero-downtime deployments**.

- Containerized applications with **Docker** and deployed on **Kubernetes (EKS)** using Helm.

- Configured monitoring with **Prometheus, Grafana, CloudWatch**, achieving **99.9% uptime**.

- Secured applications with **IAM roles, KMS, SSL/TLS, Secrets Manager**.

- Optimized cloud resources, cutting costs by **25%** and reducing release cycles by **60%**.

- **Automated** recovery, **backup** policies, and DR testing, improving fault tolerance and availability.

- Configured **Prometheus** & **Grafana** for real-time performance monitoring and dashboard creation.

- Improved system availability from **95% to 99.9%,** reduced incident resolution time by 40%, and strengthened fault tolerance with automated recovery processes.

Capgemini, Mumbai
Analyst| Aug 2021 – 2023
Client: OV Acceleration (OPEL) | Role: AWS & Automation Engineer

- Implemented **CI/CD pipelines** using **Jenkins** to automate the deployment and testing of UiPath automation bots, enabling faster and more reliable delivery of automation features.

- Orchestrated containerized workloads using **Kubernetes**, allowing for scalable deployment and efficient resource utilization of over **400,000 automated archival records**.

- Integrated version control and code quality checks into the CI/CD process using **Git** and **SonarQube**, improving code reliability and maintainability.

- Managed **Jenkins pipelines** for 10+ microservices, improving deployment reliability.

- Containerized legacy applications with **Docker & Kubernetes**, enhancing scalability.

- Applied **Cloud cost optimization** strategies (spot instances, Lambda schedulers), reducing expenses by **20%**.

- Participated in post-deployment reviews and retrospectives, contributing to the continuous improvement of automation delivery practices.

Key Achievement:
Accelerated release cycles by 40% and significantly improved **deployment success** rates through automation and containerization. Delivered a highly available, automated cloud infrastructure with significant cost **optimization** and **enhanced reliability.** Improved system uptime from 95% → 99.9%, cut release cycles by 60%, and reduced incident resolution time by 40%.

Education
Bachelor of Technology (B.Tech- E&Tc)
Dr. Babasaheb Ambedkar Technical University, Lonere – 2021