SANKET AUTADE

DevOps Engineer

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Profile Summary

DevOps Engineer with 3.6 years of experience in Linux-based infrastructure, configuration management, and CI/CD automation. Strong expertise in Linux system administration, Puppet-based configuration management, and cloud-native DevOps practices. Proven ability to manage production environments, automate server configurations, maintain system stability, and troubleshoot complex deployment and infrastructure issues in large-scale enterprise environments.

Work Experience

Software Engineer | Tech Mahindra, Pune, India   Dec 2021 – Present
Project: American Telephone and Telegraph (ATT) NISE-Core.

- Spearheaded DevOps implementation on AWS and Kubernetes, using Terraform for Infrastructure as Code (IaC) to streamline and standardize cloud deployments.
- Designed and deployed containerized microservices using Docker and Kubernetes, achieving 99.9% uptime and reducing system downtime by 60%.
- Supported CI/CD workflows and gained exposure to AWS CodeCommit, CodeBuild, and CodePipeline concepts alongside Jenkins pipelines.
- Assisted in security best practices including IAM hardening, certificate management (ACM), and basic vulnerability checks in cloud environments.
- Built, maintained, and optimized CI/CD pipelines using Jenkins, GitHub, and SonarQube, reducing deployment time by 40% and improving release reliability.
- Automated infrastructure provisioning and configuration management using Terraform, Ansible, and Puppet, ensuring consistency and eliminating configuration drift.
- Developed and maintained Puppet manifests and modules to manage packages, services, files, users, and cron jobs across Linux environments.
- Performed advanced Linux system administration on Ubuntu, Amazon Linux, and RHEL, including user/group management, file permissions, process monitoring, and service management.
- Supported Linux OS patching, package upgrades, kernel updates, and system hardening across production and non-production servers.
- Deployed monitoring and alerting solutions using Prometheus and Grafana, improving system visibility and reducing downtime incidents by 25%.
- Troubleshot Linux and application-level issues related to CPU, memory, disk, network, and service failures to ensure system stability.
- Worked on Kubernetes platform troubleshooting and root cause analysis for cluster and application issues.
- Debugged and resolved CI/CD pipeline, configuration, and deployment issues by collaborating with development, QA, SysAdmin, and DBA teams.
- Participated in incident and ticket management workflows and collaborated with security teams for vulnerability remediation.
- Automated patch management and release processes, maintaining end-to-end deployment trackers for the NISE-Core application.
- Integrated configuration management workflows with CI/CD pipelines to enable automated and repeatable deployments.

Technical Skills

Cloud Platforms: Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)

AWS Services: EC2, EBS, S3, CloudFront, Route 53, VPC, EKS, ECS, RDS, EFS, ALB, Lambda, CloudWatch, SQS, SNS, IAM (Users, Roles, Policies)

Containerization & Orchestration: Docker, Kubernetes, Helm

Source Code Management (SCM): Git, GitHub, Bitbucket

CI/CD & DevOps Tools: Jenkins, GitLab CI/CD (working knowledge), AWS CodeCommit (basic), AWS CodeBuild (basic), AWS CodePipeline (basic)

Infrastructure as Code & Configuration Management: Terraform, Ansible, Puppet (Manifests, Modules, Node Classification, Hiera), AWS CDK (basic understanding)

Operating Systems & Linux Administration: Linux (Ubuntu, Red Hat Enterprise Linux, Amazon Linux), User & Group Management, File System Permissions, Package Management (YUM, APT), Process Management, Service Management (systemd), Cron Jobs, Log Analysis, OS Patching & Upgrades, Performance Tuning, Shell Environment Management

Monitoring & Observability: Prometheus, Grafana, AWS CloudWatch

Security & Networking: API Gateway, AWS Certificate Manager (ACM), IAM, Security Audits, Vulnerability Assessment (basic exposure)

Education

B.E. in Computer Engineering | SND COE, Nashik (SPPU, Pune)　　　　　　　　　　June 2017 – July 2021
GPA: 9.6/10

Certifications

- AWS Certified Cloud Practitioner (CLF-C02)
- Google Professional Cloud Architect Certification (PCA)
- Microsoft Certified: Azure Fundamentals (AZ-900)

Awards

- **Bravo Award – Tech Mahindra** - Received for outstanding performance and contribution in AT&T Project.
- **Pat on the Back Award – Tech Mahindra** - Recognized for outstanding work and contributions in Source Code Management.