




SAIKRISHNA KATHERA

 kattherasaikrishna7@gmail.com /  +91-8309009643 /  [saikrishna-katthera](#)

SUMMARY

Dedicated and results-driven DevOps professional with 3+ years of hands on experience in automating, optimizing, and streamlining IT operations. Proficient in AWS (EC2, EKS, VPC, S3, and Dynamo DB), Terraform, Docker, and Kubernetes, with expertise in building CI/CD pipelines using Jenkins, GitHub Actions, and Argo CD. Skilled in monitoring with Prometheus and Grafana, and scripting with Shell and Python. Seeking a challenging role to leverage technical expertise, improve system reliability, and contribute to a high-performing DevOps team.

TECHNICAL SKILLS

Operating Systems	: Linux, Windows
Cloud Platforms	: AWS (IAM, EC2, EKS, S3, Route 53, CFT, VPC, ELB, Auto Scaling)
CI/CD & Version Control	: Jenkins, GitHub Actions, Argo CD, Git, GitHub, Gitlab
Build Tool & Code Quality	: Gradle, Maven and SonarQube
Containers & Orchestration	: Docker, Kubernetes, Helm
Configuration Management & IaC	: Ansible, Terraform
Scripting Languages	: Shell Scripting, Python, Groovy
Monitoring & Visualization	: Prometheus and Grafana
Ticketing & Collaboration	: Jira, Agile methodologies

WORK EXPERIENCE

CGI, Hyderabad – Software Engineer

April 2024 – PRESENT

- Introduced version control best practices with Git, improving code collaboration and traceability. Helped teams with branching strategy and webhook configuration.
- Managed deployments on Amazon EKS using Kubernetes, leveraging Helm charts for orchestration and enabling efficient container scaling and management.
- Streamlined the CI/CD pipeline for Java-based applications using Gradle, resulting in a 20% reduction in build and deployment times.
- Strong experience in containerization of microservices architecture applications where I have containerized services of 3 development teams.
- Integrated Argo CD for GitOps based deployments to EKS clusters, ensuring consistent, secure, and zero-downtime rollouts.
- Implemented infrastructure as code for the microservices and the Kubernetes infrastructure on AWS. .
- Strong experience in AWS and AWS networking such as VPC, Load Balancing, Compute and IAM.
- Resolved critical production incidents promptly, maintaining system availability and minimizing business impact.
- Received commendation for resolving critical AWS VPC issues, resolving peering problems for a development team.
- Managed Docker containerization, deploying applications across various environments, and maintained Docker images in Docker Hub.
- Setup a Terraform remote backend and locking mechanism for the organization using AWS S3 bucket and DynamoDB.
- Experience with Terraform remote state management for multiple development teams.
- Experience working Route53 and hosted zones where I have orchestrated the route 53 and ALB integration for custom domain implementation in Kubernetes.
- Mastered Kubernetes Ingress and Implementation of Kubernetes Ingress for multiple micro services.

- Automated CI/CD processes with shell scripting, demonstrating strong Linux administration skills.
- Maintained Apache Tomcat application servers and implemented SonarQube for code quality checks and compliance.
- Contributed to building the DevOps platform using Ansible for configuration management and automation deployment.
- Deployed Java applications on web servers like Apache Tomcat, Apache Web Server, and Nginx.
- Implemented automation scripts using Shell, Groovy and Python for deployment tasks.
- Tracked and reported operational workflows using Grafana to troubleshoot issues and monitor application status.
- Collaborated with developers to optimize code repositories, resulting in faster code retrieval and collaboration.

CGI, Hyderabad – Associate Software Engineer

April 2022 – MARCH 2024

- Managed and administered AWS services, including IAM, EC2, VPC, S3, Route 53, Load Balancing, and Cloudwatch.
- Installed and configured Jenkins, including Continuous Integration for creating new jobs, managing required plug-in, build triggers, build systems, post-build actions, and scheduled automation builds.
- Developing and maintaining the continuous integration and deployment pipelines using Jenkins, Git, Maven and Ansible.
- Launched EC2 instances, assigned Security Groups, and configured necessary Inbound & Outbound rules.
- Managed IAM roles and policies, ensuring data protection and compliance with security standards. Enhanced regulatory compliance across cloud infrastructure.
- Amazon IAM service enabled to grant permissions and resources to users of AWS IAM.
- Processing of Tickets, Incidents and Service requests.
- Perform Level-1 troubleshooting on all the incidents received from monitoring tools and assigning them to Level-2 engineers as per the SLA's, if unresolved
- Built and configured VPCs with site-to-site VPN and peering connections across multiple VPCs, integrating security groups, NACLs, internet gateways, and elastic IPs to establish a secure AWS cloud environment.
- Strong analytical skills and troubleshooting/problem solving skills - root cause identification and pro-active service improvement, staying up to date on technologies and best practices.
- Created S3 buckets, managed IAM policies, and utilized S3 and Glacier for storage and backups.
- Initiating alarms in Cloudwatch service for monitoring the server's performance like CPU, memory, Disk and health check, etc. to take recommended actions for better performance.
- Integrated infrastructure as code (IaC) practices using Terraform, enabling automated, consistent, and repeatable cloud infrastructure deployments across multiple environments.
- Ability to work under pressure, managing expectations from various key stakeholders.
- Created and managed Route-53 hosted zones and modify record sets as per the requirement.
- A Clear understanding of HTTP / Network protocol concepts, designs & operations.

EDUCATION

Bachelors in Mechanical Engineering
Kakatiya Institute of Technology and Sciences - Warangal, 2020

7.93 CGPA

HIGHLIGHTS

- Awarded Bronze at CGI for automating deployments and optimizing infrastructure, achieving 20% cost savings by right-sizing resources and improving microservices efficiency across environments.
- Participated and Presented at various local meetups for sharing and learning from the community.