

Guru Sai Nikhil
DevOps & CLOUD Engineer
nikhilpothuraju2601@gmail.com

PH: +91 9063910989

Professional Summary:

- Provisioned and managed AWS infrastructure (EC2, EKS, S3, RDS, VPC, IAM) using Terraform, ensuring secure, scalable environments while optimizing costs through right-sizing and resource tagging.
- Built, deployed, and operated Kubernetes (EKS) workloads, managing deployments, services, HPA, and resource limits to optimize CPU/memory usage and reduce cluster costs.
- Designed reusable Terraform modules for AWS resources and maintained remote state in S3 with DynamoDB locking, preventing drift and enabling controlled, cost-efficient infrastructure changes.
- Implemented end-to-end CI/CD pipelines using Jenkins, automating build, test, Docker image creation, and Kubernetes deployments to EKS, reducing manual effort and deployment failures.
- Optimized Jenkins pipelines by using parallel stages, build caching, and workspace cleanup, reducing build time and Jenkins node compute costs.
- Created and optimized Docker images using multi-stage builds, reducing image size and improving Kubernetes pod startup time and overall resource efficiency.
- Developed Shell (Bash) scripts for automation tasks such as log rotation, backup verification, unused resource cleanup, and service health checks, minimizing manual operational overhead.
- Implemented proactive monitoring and alerting using AWS CloudWatch, Prometheus, and Grafana.
- Actively participated in cost optimization initiatives, including unused EBS/Snapshots cleanup, S3 lifecycle policies, auto-scaling tuning, and environment-wise resource segregation (Dev/UAT/Prod).
- Configured Route 53 DNS, hosted zones, and health checks for multi-environment traffic routing and high availability.
- Designed and managed AWS CloudFront distributions integrated with S3/ALB, Route 53, and ACM, optimizing caching policies to improve application performance and reduce data transfer costs.

Work Experience:

- Working as a DevOps & CLOUD Engineer in **IncredMoney** From SEPTEMBER 2024 to till Date.
- Worked as a Cloud Automation Engineer in **ThoughtSpot India Pvt.Ltd** From APRIL 2023 to OCTOBER 2023.

- Worked as a DevOps Engineer in **AmaraRaja Energy & Mobility Limited** From AUGUST 2021 to FEBRUARY 2023.
- Worked as a DevOps Engineer in **Arjas Steel Private Limited** From APRIL 2019 to JULY 2021.

Educational Summary:

- Bachelor of Technology From Yogi Vemana University, 2017

Technical Skills:

Operating Systems	Linux, UNIX & Windows
Version Control System	GIT
Build Management Tool	Maven
Code Quality Management Tool	SonarQube, Trivy
Repository Manager	Nexus, JFrog
Scripting/Programming Languages	Shell Scripting
Continuous Integration Tool	Jenkins
Continuous Deployment Tool	ArgoCD
Configuration Management Tool	Ansible
Application & Web Servers	Apache Tomcat, Apache HTTP
Containerization Tool	Docker
Orchestration Tool	Kubernetes
Infrastructure as Code (IaC)	Terraform, CloudFormation
Monitoring Tool	Grafana, Prometheus, k9s
Cluster, cloud	AWS

DevOps Engineer | INCRED MONEY | Sep 2024 – October 2025

- Launching Amazon EC2 Cloud Instances using Amazon Images (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.
- Worked on AWS and its services like AWS IAM, VPC, EC2, ECS, EBS, RDS, S3, Lambda, ELB, Auto Scaling, Route 53, Cloud Front, Cloud Watch, Cloud Trail, SQS, and SNS and

experienced in Cloud automation using AWS Cloud Formation templates to create custom sized VPC, subnets, NAT, EC2 instances, ELB and Security groups.

- Managed Docker orchestration and Docker containerization using Kubernetes . Worked on setting up DOCKER containers & deployed through Jenkins.
- Focus on continuous integration and deployment, promoting Enterprise Solutions to target environments.
- Configuring and Networking of Virtual Private Cloud (VPC).
- Creating S3 buckets and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS • Implemented Continuous Integration using Jenkins and GIT.
- Used monitoring tool JIRA and triaged the issues and maintained bugs using JIRA tool.
- Implemented and maintained the monitoring and alerting of production and corporate servers/storage using Prometheus and Grafana.
- Configuring Build and deployment plans by taking requirements from Teams and setting CICD- Jenkins. Solving Build and Deployments failures.
- I set up CI/CD pipelines for Microservices and integrated tools.
- Writing automation scripts using Shell script and Groovy.

Cloud Automation Engineer | ThoughtSpot India Pvt Ltd | Apr 2023 – Oct 2023

- Designing, building, and maintaining highly available and scalable AWS-based infrastructure for production and development environments.
- Configuring creation of clusters with Thoughtspot application and managing various cloud operations like managing EC2 instances, downloading files from s3 bucket to Linux machines and uploading files from machines to s3.
- Monitoring and troubleshooting application performance and security using tools such as Grafana, and AWS Config.
- Configuring Privatelink connections between Thoughtspot AWS and customer AWS data warehouses.
- Setting up VPN connection between Thoughtspot cloud and customer other third party tools and connecting with customer's on troubleshooting VPN connection error & sorting out.
- Scheduling upgrades and patches for production clusters in AWS and monitoring the upgrades & resolving any infra level issues in the time of upgrade.

- Monitoring health status of the 500 customer's cluster.
- Worked with Grafana for monitoring the status of EC2 instances and EKS.
- Provisioning clusters using swagger UI API call & managing clusters like modifying infra changes using operations portal UI & Task assigning and tracking are by using Salesforce SFDC.
- Implementing and managing AWS services such as Elastic Beanstalk, Lambda, EC2, RDS, and S3 for application deployment, scaling, and data management.

DevOps Engineer | AmaraRaja Energy & Mobility Limited | Aug 2021 – Feb 2023

- Established foundational DevOps practices by implementing Jenkins for continuous integration and Git for source code version control across multiple development teams.
- Managed the deployment lifecycle of Java web applications on Apache Tomcat, including configuration, troubleshooting, and maintenance.
- Performed system administration on Linux servers (Ubuntu, CentOS), and developed Bash scripts to automate routine tasks such as backups, log rotation, and system updates.
- Assisted in the migration of on-premise applications to the AWS cloud, including provisioning EC2 instances and configuring S3 buckets for static storage.

DevOps Engineer | Arjas Steel Private Limited | Apr 2019 – July 2021

- Implemented the company's first CI/CD pipelines using Jenkins, Git, and Maven, which significantly reduced manual deployment efforts and improved build consistency.
- Gained foundational, hands-on experience with Docker for containerizing applications and assisted in the initial proof-of-concept for using Kubernetes for orchestration.
- Supported the migration of legacy applications to AWS infrastructure, provisioning EC2 instances, and configuring security groups and S3 storage.
- Collaborated with development and QA teams to troubleshoot build failures and streamline the release process.

Declaration:

I hereby declare that the above information furnished by me is true and correct to the best of my knowledge.

Guru Sai Nikhil.P