

Pothuraju Guru Sai Nikhil

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Senior DevOps Engineer

Professional Summary

Results-driven DevOps Engineer with over 5.5 years of experience specializing in CI/CD pipeline automation, cloud infrastructure management on AWS, and container orchestration with Docker and Kubernetes (EKS/ECS). Proven expertise in Infrastructure as Code (Terraform), version control (Git), and comprehensive monitoring (Prometheus, Grafana, CloudWatch). A collaborative problem-solver dedicated to enhancing system reliability, scalability, and operational efficiency across multi-platform environments.

Core Competencies

- **Cloud Platforms:** Amazon Web Services (AWS): EC2, EKS, ECS, S3, VPC, ELB, EBS, CloudWatch, CodeCommit, CodeDeploy, CodePipeline
- **CI/CD & Build Tools:** Jenkins, Maven, AWS CodePipeline, GitHub Actions
- **Infrastructure as Code (IaC):** Terraform, Ansible
- **Containerization & Orchestration:** Docker, Kubernetes (K8s), Helm
- **Monitoring & Logging:** Prometheus, Grafana, AWS CloudWatch
- **Version Control:** Git, GitHub
- **Scripting & Automation:** Bash, Shell
- **Application Servers:** Apache Tomcat
- **Operating Systems:** Linux (Ubuntu, CentOS, RHEL), Unix, Windows
- **Project Management & Collaboration:** Jira, Confluence

Professional Experience

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 2024 – Oct 2024

- 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.
- Keeping up-to-date with the latest AWS services, tools, and technologies, and continuously improving the Cloud Automation processes and practices.

- 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.

Education

B.Tech | YSR Engineering College of Yogi Vemana University, Kadapa, AP | 2013 – 2017