

Satya Sai Sandeep Mudapaka

DevOps and Cloud Engineer

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DevOps Engineer with 3 years of experience in designing, deploying, and maintaining cloud infrastructure and applications on AWS. Skilled in scripting and automation, containerization, configuration management, and infrastructure as code. Passionate about working with cross-functional teams to improve deployment and delivery processes.

PROFESSIONAL SUMMARY

- Experienced in creating, configuring and maintaining Infrastructure on AWS Cloud services including Virtual Private Cloud (**VPC**), **EC2**, **RDS**, **S3**, **Route53**, **SNS**, **CloudWatch** and **IAM**.
- Designed and implemented infrastructure as code using **Terraform** and **AWS CloudFormation** to provision and manage AWS resources.
- Experienced in creating various dashboards, metrics, alarms and notifications for servers using **AWS Cloud Watch**, **ELK** (Elasticsearch, Logstash, and Kibana).
- Experienced in creating **IAM policies**, **Roles** and user management for delegated access within AWS.
- Experience working with version control systems like **GIT** and used Source code management tools **GitHub**.
- Implemented a **CI/CD pipeline** involving **Git**, **Jenkins**, **Ansible**, **Maven**, **Nexus**, **Docker**, and **Kubernetes** for complete automation from commit to deployment.
- Experienced in **AWS Lambda** for Fetch the s3 bucket list or bucket and object details.
 - AWS EC2 Scheduler with lambda for cost optimisation.
 - Cost optimization by Identifying the stale resources in aws
- Experienced in Bug/Issue tracking tool **JIRA**.
- Knowledge of Software Development Life Cycle Methodologies **Waterfall**, and **Agile**.
- Experienced in multi platforms like UNIX, Ubuntu, RHEL and Windows supporting production, test, and development environments.
- Strong work ethic with good Interpersonal and Organizational skills.
- Ability to work under minimal supervision and guidance

TECHNICAL SKILLS:

SKILL AREA	TECHNICAL SKILLS
Cloud Technologies	AWS, GCP
Version Control System	Git, GitHub
Container Technologies	Docker, Kubernetes
Monitoring Tools:	AWS Cloud watch, ELK (Elasticsearch, Logstash, and Kibana), Prometheus and Grafana
SDLC:	Agile, Waterfall

Scripting Languages:	Python, Shell Scripting
Build Tool	Maven
Configuration Management	Ansible
Infrastructure as code	Terraform
CI/CD	Jenkins, Argo CD
Code Quality and Analysis	SonarQube
Artifact Repository Management	Jfrog, Nexus
Bug Tracking Tools:	Jira
Operating Systems:	Linux, RHEL, Ubuntu, Windows

PROFESSIONAL WORK EXPERIENCE SUMMARY:

December'20 – till date: Pravas IT Solutions, Hyderabad as Cloud – DevOps Engineer

Pravas IT Solutions
DevOps Engineer

Dec. 2020 – Till Date

PROJECTS:

Title: Spark LMO

Environment: AWS Cloud., Kubernetes, Ansible, Jenkins, Terraform, GitHub

Application: Elastic Beats, Elastic Search, Logstash, Kibana, Apache Kafka.

Team Size : 5

Process: Agile Scrum Boards (Jira, MS Teams)

Description:-

Coming to the project, our current project is a monitoring related project where we are responsible to monitor all the client servers and prepare a dashboard for all the servers. now all the servers monitored data will appear on Kibana dashboards. the data will be transferred from client servers to Kibana dashboards through with the help of data pipeline.

Key Result Areas (Responsibilities) :

- Implementing configuration management using Ansible
- Working in a Aws-Cloud environment as well as managing services as a platform.
- Developing and automating data pipelines using Ansible, Apache Kafka, and ELK
- Installing Jenkins with HA and formulating the Jenkins end-to-end pipelines
- Combining Jenkins pipeline with Ansible; deploying Playbooks to Linux servers to Install the Elastic Beats
- Gathering all the information from the Kafka team with the IP address and port number to configure the same in the Beats (Beats configuration file)

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- Developing a Jenkins pipeline to install Elastic through Ansible Playbooks; installing Logstash from Ansible through Jenkins
- Interacting with the different teams using MS Teams; monitoring the progress; checking the tickets or any issues as well as using JIRA to raise the incidents
- Deploying Elastic Beats using Jenkins on all the infrastructure servers; migrating all the logs to Kafka
- Integrating the ansible to install Elastic Beats as well as terraform to install Elastic Search on K8s
- Providing training to team members and across the organization.

TRAINING

- AWS & Devops

EDUCATION:

- B.Tech (ECE) from Sasi Institute of Technology and Engineering College with 6.2 CGPA.
- 12th from Pippara Inter College, Pippara in 2016 with 62%.
- 10th from Pippara English Medium School, Pippara in 2014 with 67%.

Personal Details:

- Date of Birth: 11th Feb, 1997
- Contact Number: +91-8096186926
- Marital Status: single
- Nationality: Indian
- Languages: Telugu, English.

(Mudapaka Satya Sai Sandeep)