

# Sai Vanapalli

AWS AND DEVOPS ENGINEER

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## SUMMARY

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Driven and detail-oriented AWS and DevOps Engineer with one year of hands-on experience in managing, deploying, and automating cloud-based applications. Expertise in AWS cloud infrastructure, DevOps tools, and CI/CD pipelines. Currently working as DevOps engineer at Ninesofttech.

- Experienced with AWS Cloud platform and its features, which includes EC2, IAM, S3, VPC, Cloud Watch, Cloud Trail, SQS, SNS, Rds, amplify, apprunner, ecs, ecr, r53, apigateway, lambda
- Experience in working with version control systems like GIT and used source code management tools like GitHub. Creating GitHub Repo's and giving access to GitHub Repo's.
- Good Experience on AWS IAM Service to provide access to different users.  
Working on IAAS Platform on AWS, Kubernetes, CI/CD experience and Amazon web services like EC2, S3, RDS, IAM, Cloud Storage and budget forecasting.
- Configuring Jenkins job with related Plugins for Building, Testing and Continuous Deployment to accomplish the complete CI/CD.
- Extensive Good experience with Continuous Integration Jenkins Tool.
- Good experience on Docker Containerization Tool. Creating Docker Images and Pushing those images to Docker hub. Creating containers using those images.
- Automated the cloud deployments using Ansible.

## TECHNICAL PROFICIENCY

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- Cloud Technologies: AWS
- Version control: Git, GitHub
- Cid: Github Actions, Jenkins
- Containerization: Docker, Kubernetes
- Database Technologies: MySQL
- Scripting and Automation: Basic of Python and Bash
- Configuration Mgmt. tool: Ansible
- Operating System: Linux, Windows
- Agile Methodologies: Scrum, CI/CD (Jenkins)
- Front-end technologies: Basic of HTML and CSS, Bootstrap, java scripy.
- Tools & Platforms: Jira, Visual Studio Code, Eclipse, Grafana, Prometheus, Sonar Qube.
- Cid: Jenkins, Github Actions.

- Build tool: Maven.

## EXPERIENCE

january 2024 – Present

### Ninesofttech | DevOps engineer

- Assisting in automating cloud deployments using AWS services like EC2, S3, IAM, and CloudWatch.
- Create and attach RDS Databases to applications. (postgres,mysql)
- Creating and managing users, groups and roles and assigning roles to the EC2 instances with identity and management system.
- Created new resources in the test environments when needed using terraform.
- Build infrastructure for quick deployment, running, and scaling of software in the cloud.
- Responsible for installing Jenkins master and slave nodes.
- Configured Git with Jenkins and schedule jobs using POLL SCM option and also providing EMAIL notification option whenever jobs are created/ted.
- Experienced in Web Server Like Apache Tomcat Server.
- Hands on experience with build tools like Maven.
- Used Ansible as configuration management tool to deploy consistent infrastructure code across multiple environments Involved in setting up builds using Ansible as a configuration management tool.
- Writing and maintaining Docker file for creating various micro services images & Container creation using Docker and stored them in Docker Hub Registry.
- Building Docker file and Docker compose files for maintain the environment in containerizing the applications.
- Experience creating custom Docker images using Docker file.
- Worked on Docker-Swarm created manager node and connected them with worker nodes also created services, networks.
- Hands-on experience using K8s to manage and orchestrate containerized applications, including scaling, rolling updates, and self-healing with pods, services, deployments, replica Sets, Config maps, secrets, volumes, persistent volume claims, ingress, namespaces.
- Developed DevOps workflows, CI/CD pipelines, and test automation. Operational activities: deployments, monitoring, reporting, and patching.
- Complete documentation and procedures for installation and maintenance.
- Proficient in Linux system administration, including shell scripting, server management, and troubleshooting.

## PROJECT WORKS

**Technologies Used:** AWS, Git, Jenkins, Docker, Ansible, Kubernetes, Prometheus, Grafana, Sonar Qube,Maven.

### DevOps Projects:

### **Taoshi Dashboard Project**    Link: [taoshidashboard.com](https://taoshidashboard.com)

- Deployed and managed a cryptocurrency trading/mining project, integrating performance tracking for BTC and ETH positions, orders, and ROI analysis.
- Implemented CI/CD pipeline using Git (version control), Git hub Actions (cicd), Docker (containerization), ECR (Container registry), AWS App runner (Deploy backend), AWS Amplify (Frontend).

### **Vihari Cabs Project**    Link: [viharicabs.com](https://viharicabs.com)

- Successfully deployed a web application for Vihari Cabs, offering streamlined booking solutions for one-way and round-trip journeys, featuring popular destinations, 24/7 road assistance, and luxury travel options. Enhanced user experience with features like free pickup/drop-off services, cost-effective pricing, and a curated selection of premium vehicles.
- Deployed this travel booking platform using Git, Jenkins, Docker, EC2, and Docker Swarm for CI/CD, scalability, and container orchestration.

## **EDUCATION**

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**DNR College Bhimavaram**  
B.Sc - MPC | CGPA-6.25

**2018-2021**