

Nithin Makkena

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Profile Summary

Software engineer having overall experience of 5 years in IT industry and relevant experience of 1+ as Python Developer & relevant experience of 3+ in DevOps. Holding a good hands-on experience on using DevOps tools and methodologies to achieve the faster and continuous delivery to the clients. Working in fast-paced agile development environments. I am looking for a career that is both challenging and rewarding.

Technical Skillset

SCM Tools	GitHub, AWS Code Commit
CI/CD tools	Jenkins, AWS Code Pipeline includes Code Build, Code Deploy
Scripting	bash
Databases	MS SQL, Postgres, AWS-RDS
Programming Languages	Python
Operating Systems	Linux, Windows
Cloud Platform	AWS
Containers	Docker
Container orchestration	Docker Swarm, Kubernetes, EKS, ECR
Serverless	AWS Lambda
Storage	AWS EBS, Amazon EFS, Amazon S3
Configuration Management tool	Ansible
Monitoring tools	CloudWatch, Grafana, Prometheus
Artifact Repository	Nexus
Infrastructure automation	Terraform, Ansible

Professional Experience

Devops Engineer

2019 – Present

viasat, India.

As a Devops Engineer,

Actively involved in DevOps platform and cloud solutions.

- Implemented & maintained the branching and build/release strategies utilizing GIT
- Designed, Installed and Implemented CI/CD automation system.
- Used Jenkins in setting up CI/CD pipeline to deliver the software with the better quality and fast by using different plugging like EMMA, check style and find bugs resources.
- Build Automation and Build Pipe Development using Jenkins and Maven
- Worked on CI/CD Pipeline, every tool will be automated and triggered using Jenkins file. Used Git for source code version control and integrated with Jenkins for CI/CD pipeline. Used SonarQube for code coverage and code quality. Used nexus as repository. Used Jenkins to automate most of the build related tasks.

- Using Maven as a build tool on Java projects for the development of artifacts on the source code. Developing pom.xml files for Maven build scripts
- Deployed the static content to apache web servers and applications to Tomcat Application server
- Involved in creating and working through Docker images, containers, and Docker Consoles for managing Application Life cycle. Involved in development of the Test environment on Docker containers and configuring the Docker containers using docker swarm.
- Used Jenkins pipelines to drive all Microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test ,deploy.
- Leveraged Amazon Web Services like EC2, RDS, EBS, ELB, Auto scaling, IAM ,s3,lambda,code commit,code build, codedeploy, code pipline. Created S3 Buckets and managed policies for S3buckets, utilized S3 Bucket for storage and backup on AWS. Creating Cloud watch alerts for instances and using them in Auto scaling launch configurations. Monitor all AWS instance through Cloudwatch.
- Deploy Ansible and Jenkins to completely provision and manage AWS EC2 instances, volumes, DNS, and S3. Operated with Terraform key features such as Infrastructure as code, Execution plans.integration of ansible with terraform.
- Automating the system configurations, package installations and also managing the state of applications services using Configuration Management Tools like Ansible.
- Worked on AWS for deploying EC2 instances containing various platforms such as RHEL, Ubuntu in Linux, and windows.

Associate Software Engineer

2017 – 2019

Hobasa, India

As a Associate Software Engineer at Hobasa.

- Experience in working with MVT models.
- Experience in server side Templating language(jinja).
- Work collaboratively with team of developers responsible for building new and support existing applications.
- Involve in writing a new functionality as per the business requirement.
- Developed software solutions with efficient code and scalability.
- Involved in requirement gathering, analysis, coding and delivery.
- Developed Restful services for integration.

Education

2009 – 2014

National Institute of technology warangal
Bachelor of Technology