



Jerin Rathnam
DevOps Engineer

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Objective

I write multi-cloud infrastructure deployment scripts using **Terraform**, a tool that I am proficient in. I also work with various cloud platforms, such as **AWS**, **Azure**, and **GCP**, and implement security and monitoring solutions for them. I have strong experience in tools such as **CloudFormation**, **Ansible**, **Docker**, **Kubernetes**, **Grafana**, **Lambda**, **Linux**, **Packer**, **Atlantis**, **GitHub**, and **BitBucket**. I also have basic **Python** skills to write lambda functions for automation. I have been an AWS Certified Solution Architect - Associate (**SAA-C02**) since Jan 2022, which demonstrates my knowledge and expertise in designing and implementing scalable and secure solutions on AWS. I am passionate about learning new technologies and improving my skills in cloud engineering.



Skills

AWS cloud	Implement Highly available and secured environment
Azure & GCP	Implement major services in these cloud providers
Terraform	Writing multi-cloud architecture with IAC
Atlantis	Manage Terraform workflow with VCS
CloudFormation	Writing various architectures in AWS
Ansible	Server configurations
AWS ECS	Containerized applications in AWS
Docker & Kubernetes	Implement containerized Applications in EKS, GKE, AKS
Prometheus & Grafana	Monitoring Kubernetes Clusters
Helm	Configuring helm charts
GitHub & BitBucket Pipelines	Implement Pipeline setups to deploy applications in AWS Cloud Pipelines
Bash Script	Working with Linux commands
Python	Writing AWS Lambda Automation Scripts with Boto3



Work experience

EASYDEPLOY TECHNOLOGIES

Jun 2022 - Now

DevOps/Automation Engineer

- Orchestrated the deployment of comprehensive AWS infrastructures with Terraform for diverse clients, featuring multi-tier Virtual Private Clouds (VPCs), ECS, EC2, Lambda, RDS, and CodePipeline.
- Implemented Terraform workflows with Atlantis, optimizing the management of Terraform states and seamlessly migrating from Terraform Cloud to Atlantis for all managed infrastructures.
- Established robust secure baselines for AWS accounts, aligning configurations with CIS AWS Foundations benchmarks.
- Engineered the deployment of EKS and GKE clusters in AWS and GCP using Terraform, coupled with Helm installations of essential tools such as Prometheus, Thanos, Grafana, Kubernetes Dashboard, Ingress controller, and Cluster Autoscaler. Configured persistent volume storage for Prometheus and Grafana, utilizing S3 for efficient data management.

- Leveraged ArgoCD in EKS clusters, streamlining Kubernetes pipeline workflows for enhanced management.
- Authored Terraform modules for AWS and GCP cloud services, optimizing infrastructure provisioning and management.
- Developed Ansible scripts for server configurations, catering to diverse applications such as Magento and Metabase.
- Established Bitbucket Pipelines for deploying applications in AWS EC2 Instances and AWS ECS Clusters, contributing to a streamlined and automated deployment process.
- Engineered Lambda scripts in Python for day-to-day DevOps automation tasks, enhancing operational efficiency in AWS.
- Configured AWS monitoring tools like AWS GuardDuty and AWS DevOps Guru at the AWS Organization level to proactively identify and address security vulnerabilities.
- Terraform script for implementing CI/CD pipelines with AWS Code Pipeline, enabling the seamless deployment of Docker applications in ECS clusters and various applications (React JS, Angular, Node JS) on EC2 instances with Application Load Balancer.
- Oversaw the creation and management of Golden AMIs in AWS, employing Terraform and Packer Registry to

FREELANCE

Apr 2021 - Apr 2022

Freelance DevOps Engineer

- Writing Terraform, CloudFormation scripts to deploy various AWS resources
- Writing SSM automation documents with bash, and python to automate daily tasks.
- Writing AWS config rules to assess, audit AWS resources and writeremediation scripts using lambda functions and SSM documents.
- Deploying Kubernetes clusters in the AWS cloud using EKS or EC2 instances.
- Writing helm charts to deploy applications into the Kubernetes cluster.
- Monitoring infrastructure using Prometheus, Nagios, Grafana, Splunk, ELKstacks
- Keeping EC2 instance configuration persistent using ansible/packer.

AISHWARYA PHARMACY

Jul 2018 - Jan 2020

Sales Executive

Participated in prescription pharmaceutical and over-the-counter product inventory audits. Flagged potential drug interactions and allergies to prescribed medications for patients with different health conditions.

SATCHA TEXTILE PVT. LTD.

May 2018 - Jul 2018

Quality Assurance Quality Control

Participated in prescription pharmaceutical and over-the-counter product inventory audits. Flagged potential drug interactions and allergies to prescribed medications for patients with different health conditions.



Certifications

AWS Certified Solutions Architect Associate -2022



Education

BISHOP HEBER COLLEGE, TIRUCHIRAPPALLI

June 2015 - Apr 2018

B.Sc. Chemistry

Chemistry and related subjects

T.D.T.A. KURUKALPER HR. SEC. SCHOOL, TUTICORIN

June 2013 - Apr 2015

HSC

Maths Biology



Languages

Tamil

English