

PRANAY SINGH PARIHAR

DEVOPS ENGINEER

Contact Info

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SUMMARY

I am an experienced DevOps Engineer, with experience working on major cloud providers like AWS, Azure and GCP withholding the certifications as well and with expertise on CI/CD tools like Terraform and Ansible along with git and Azure DevOps.

WORK EXPERIENCE

Project Lead
NCR Corporation
Dec 2021 - present

- Lead a team of five people to create a dashboard that invites, deletes as well as list users to our Auth0 and Datadog portal.
- Integrated backend functionality using Flask, Python, and RESTful APIs.
- Utilized Axios library to handle asynchronous HTTP requests and ensure seamless data retrieval and updates.
- Implemented NgxSpinnerService to display loading spinners during time-consuming operations, enhancing user experience.
- Collaborated with the team to identify and resolve technical issues, ensuring smooth application performance.
- Utilized Git and GitHub for version control, ensuring efficient code collaboration and management.
- Defined infrastructure as code (IaC) using Terraform configuration files to provision AWS Amplify resources.
- Designed and structured Terraform modules to promote reusability and maintainability of infrastructure code, allowing for easy replication across multiple projects.
- Utilized Terraform workspaces and variables to manage environment-specific configurations, enabling the deployment of different environments with minimal manual intervention.

- Integrated Terraform with Github to track infrastructure changes and facilitate collaborative development with the team.
- Orchestrated the deployment process by integrating Terraform with the CI/CD pipeline, ensuring automatic infrastructure provisioning upon code changes and promoting continuous delivery practices.
- Conducted thorough testing and validation of the Terraform scripts to ensure the correctness and reliability of the infrastructure deployments.
- Worked closely with cross-functional teams, including developers and DevOps engineers, to gather requirements, align infrastructure needs, and provide support in maintaining the infrastructure stack

DevOps Engineer

NCR Corporation

Dec 2021 – March2023

- Worked on groovy script to invoke functions on remote server for Jenkins pipeline.
- Experience in designing a Terraform and deploying it in cloud deployment manager to spin up resources like cloud virtual networks, Compute Engines in public and private subnets along with AutoScaler in Google Cloud Platform
- Set up a GCP Firewall rules in order to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud CDN (content delivery network) to deliver content from GCP cache locations drastically improving user experience and latency.
- Experience in providing highly available and fault tolerant applications utilizing orchestration technologies like Kubernetes and Apache Mesos on Google Cloud Platform.
- Experience in Blue/green deployment strategy by creating new applications which are identical to the existing production environment using CloudFormation templates & Route53 weighted record sets to redirect traffic from the old environment to the pristine environment via DNS.

DevOps Engineer
IbexLabs
Nov2021 – Dec2021

- Working on Ansible scripts to install Cloudwatch agent on EC2 instances and monitor metrics like Volumeusage, memoryusage and CPUusage
- Setting up multiple environment variables input on GitHub to deploy images to ECR.

DevOps Engineer
TwimBit
Sept2021 – Oct2021

- Setup CloudFront along with Application LoadBalancers for ECS.
- Setup Task definitions for a Caddy server and staticwebsite.
- Write Nginx configuration to reverse proxy traffic within the cluster and to serve SSL certificate on the go with the help of OpenResty Framework.
- Managing the entire infrastructure using terraform. Setup Lambda function for database failover and automate the process using step functions.
- Setup A records and CNAME in Route53.

DevOps Engineer
Neudesic
Mar2021 – Aug2021

- Created a Windows server image using Hashicorp Packer.
- Deploying the Packer image on Azure Virtual MachineScale Set using Terraform.
- Managing a GKE cluster using Terraform.
- Setup Load Balancer for the Kubernetes Cluster.

DevOps Intern
Tivona Global
Oct2020– Feb2021

- Continuous deployment automation using bash scripting.
- Automated AWS cloud deployment using Terraform from scratch.
- Implemented sentinel policies on Terraform Cloud.
- Using dynamic blocks to dynamically create multiple resources of block within a resource from a complex value such as a list of map.
- Create IAM policies for users and attach them to an IAM group.
- Lambda function to attach the IAM policy to an IAM user and save the CloudTrail logs for IAM user in DynamoDB using Boto3 scripting.

TECHNOLOGIES

Amazon Web Services	Terraform
Git	Bash
Python	Azure DevOps
Google Cloud Platform	Docker
Azure	AWS Lambda
IAM	
RBAC	

SOFTWARE

Slack	VS Code
Microsoft Teams	

EDUCATION HISTORY

- **Bachelor Of Technology**
VIT University, Chennai
2017 - 2021
 - ♦ Under Graduated in Electrical and Electronics Engineering.
 - ♦ Studied electrical machines, control systems, and signals and systems.

ACHIEVEMENTS

Recognized as a Terraform Subject Matter Expert:

- ♦ Recognized as Terraform Subject Matter Expert
- ♦ Recognized by Neudesic as a Subject Matter expert for my work with Microsoft
- ♦ Helped with internal projects of Neudesic

Tier-1 Udemy Course

- ♦ Recognized as a Terraform Udemy Instructor.
- ♦ Authored practice questions for the Terraform associate exam.
- ♦ Regarded as the second-largest question bank for practice available online.
- ♦ My course got recognized as a tier-1 course on the Udemy platform

CERTIFICATIONS

Amazon Web Services:

- ♦ AWS Cloud Practitioner Solutions Architect

Microsoft:

- ♦ AZ-900

Terraform:

- ♦ Terraform Certified Cloud Associate

IBM:

Istio and IBM Cloud
Kubernetes Service

Aviatrix:

Aviatrix
Certified
Engineer

Google Cloud Platform:

- ♦ Digital Cloud Leader

