Nikhil Bangar

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DEVOPS / SRE ENGINEER

As a Devops / Cloud Site Reliability Engineer (SRE), my role is to ensure the smooth and reliable operation of critical applications and services. I focus on automating infrastructure, managing Kubernetes clusters, and implementing workflows to streamline processes. With expertise in cloud platforms like AWS, GCP, and Terraform, Kubernetes, Argo, Vault, StackStorm, Python and various CI-CD tools. I work to optimise system performance, enhance security, and provide efficient incident response.

SKILLS

AWS, GCP, Terraform, Kubernetes, ArgoCD, GitlabCD, Helm, Stackstorm, Ansible , Pulumi	Python , Django, space lift, Hashicorp Vault, Jenkins, Github Actions, Chef , Puppet , Packer, Shell	Jira, Confluence, Agile, Pagerduty, Cost Optimisation, Service-Now, Datadog, Splunk, Dynatrace

CERTIFICATIONS

AWS Certified DevOps Engineer Professional All 3 Associate Level in AWS Azure Fundamentals (AZ - 900)	Certified Kubernetes Admin (CKA) Hashicorp Certified Associate

PROFESSIONAL EXPERIENCE

Concentric AI   **Oct 2024 - Present**
Devops Engineer
Developing AWS Infra, Handling SW Release Cycle, CICD, Automation, Network Security and Optimisation, Secret management, Fedramp Compliance

Accomplishments:
- Worked on multiple Fedramp Compliance Activities
- Deploying New Infrastructure (EKS) for multiple products and in AWS Terraform, space lift.
- Handling Software Releases, Deployment and Hot-fixes, Developing New Jenkins Pipelines.
- Creation of Helm Chart for Micro-services k8s Architecture, Automating Deployment K8s infra with ArgoCD , Terraform.
- Build and Architect Secret Management System with External Secret Operator , Hashicorp Vault and AWS Secret Manager
- Hosted a in House Grafana tooling with MySQL DB with Prometheus Operator and MySQL K8s Operator
- Built a Docker Registry in House with Harbor and created tooling around it.
- Deployed Argo-Workflows Server and created various workflows around automations , including audit trails , developer support automations.

Sibros Technologies   **Sept 2022 - Oct 2024**
Site Reliability Engineer
Developing AWS and GCP Infra, Handling SW Release Cycle, CICD, Automation, Tools Automation and Tools Development, Network Security and Optimisation. Maintaining Microservice Infrastructure Backend

Accomplishments:
- Deploying New Infrastructure for multiple products and in AWS and GCP cloud environments using Terraform, space lift.
- Handling Software Releases, Deployment and Hot-fixes, Developing New GitlabCD Pipelines and maintenance for frontend backend and schema migrations.
- Creation of Helm Chart for Micro-services k8s Architecture, Automating Deployment K8s infra with ArgoCD , Terraform.
- Owning various Infrastructure Tools including Kubernetes cluster Upgrades, Hashicorp Vault, ArgoCD Server, Temporal Cluster, Third Party Tools
- Handling all the Adhoc Requests from Development (Backend and Frontend), QA, Security and Product Teams.
- Optimising the current infrastructure for Cost, Security, availability and Disaster Recovery. Creating a process for the cloud team. Updating Legacy Infra to clear the various security audits.
- Handling outages involving Website Performance issues and Downtime management.
- Building a secret management System to be used in AWS and GCP cloud-native infrastructure.
- Configuring Alerting and Monitoring with Pagerduty, Datadog and Dynatrace
- Automations for the Report Creation- Used for the Cost Analysis and Product Review

Cloudreach Technologies   **Jan 2021 - Sept 2022**
Platform Engineer

Accomplishments:
- Worked in platform Team to support and maintain Internally Developed tools for Cloud Infrastructure Services development of Automation Platform Workflows (Stackstorm) which involves integration with cloud service providers, Ansible and Service-now, Vault
- Integration. Resolution of the IAAC errors for 30+ Customers Developing Automation Workflows for Automatic Incident Investigation and Resolution
- Developing the Automation workflows using AWS SDK, Python, and Django.
- Developed different Dashboards for cloud Infrastructure using the Splunk
- Developing Kubernetes Application for Stackstorm and Handling Complete Product Stack for the Automation Platform
- Incident and Changes Dashboards: Development of Dashboards for Open Incidents and Changes assigned to a team with required details using Assyst Rest API, HTML, JS, Python, Rest API Creation of Scripts for Optimisation activities.

Wipro Technologies   **Jul 2018 - Jan 2020**
Cloud DevOps Engineer

- The building of AMIs for monthly Release cycle for Compliance, Vulnerability Resolution, Addition of Infra stacks as per client Requirement using Terraform, Packer, and Puppet.
- Maintaining and Creating New Jenkins Pipelines for Deployments of New Package, Infrastructure Deployment and AMI Build. Maintenance of AWS Infra for a variety of applications [20+] involving 24*7 Web Servers, Databases on RDS, SQL Databases on EC2, Analytics Applications, Lambda functions.
- Performing Blue-Green Deployments in Non-Prod and Production Environments. Resolution of Errors in AWS Deployment Pipelines.
- Optimizing Infrastructure for Cost Reduction and Better performance. Leading Cost Optimization Strategies and Implementing it for All Applications Supported by Team.
- Resolution of Production Incidents and managing them. Creation of server management scripts. Resolution of various vulnerabilities in Windows and RHEL Servers, Patching of Pet Servers.
- Performing Disaster Recovery Activities for web and DB applications in Non- Production and Production Environments.

Cloud Developer

- AWS Optimiser Tool: A Analytics tool to monitor AWS accounts to find idle and underperforming resources for cost optimisation. Displaying data to all stakeholders on a dashboard. This was developed with AWS Boto3 + Django Framework, HTML + JS (ChartJS and Bootstrap)
- Email Scrapper - Alert Dashboard: Development of Analytics Tool.Programmatic reading Email for alerts, and classifying each email alert according to Environment, Type of alert, and Criticality of application. Displaying the status of alerts on the Web page hosted on the Django server. The back end is developed in Python and front-end in HTML and JS(charts.js)
- JIRA Review System: Development of a Web Application Review System for improving the Quality of the JIRA (Evaluation of tickets for correct details). The application was developed in HTML, JS, and Python.
- JIRA Creator (Windows Application): Development of a Windows Application for the Creation of various JIRA tickets for Better formatting and Reduction of time. The Application was Developed using Python (Tkinter and JIRA RestAPI)

EDUCATION

MIT College of Engineering, Pune
Batchelor of Engineering, 72 %

Jawahar Navodaya Vidyalaya, Pune
HSC and SSC 88% and 88 %