Divya Goswami

mail@rachejazz.me   Bangalore, Karnataka

Versatile Developer and Operational engineer with experience in system administration, site reliability, automation and programming. Deployed sites, automated manual workflows, debugged and analyzed server failure in the past. Capable of working under pressure and with patience.

Skills

- Scripting and Automation:
  - Scripts using Bash and Python over AWS and GCP and service scripts on k8s clusters.
  - Deploying clusters with Ansible script and monitoring health over ArgoCD
  - Pipeline setup over Jenkins
- Version control system: Demonstrate expertise in the knowledge of GitOps.
- System Administration:
  - Efficient both on Linux (6yrs) and Windows servers.
  - AWS and GCP services handling
  - Kubernetes Monitoring and Security. Secret Management, cluster hardening based on CISA rules.
  - Hardening Docker images and setting up healthchecks for failed pipelines.

Education

- **Heritage Institute Of Technology**
  Btech in Computer Science
  2018 - 2022, KOLKATA, CGPA 8.2/10

My Personal Experiments and Projects

Portfolio link: https://rachejazz.me
Github Profile: https://github.com/rachejazz
Talks:

- Divulging your social profile Nov 2020
- Dumb Browser ft. Smart Policy June 2021
- Looking for Open Source Software on Z? Sept 2021
- Who Begat Python? Sept 2021
- Software Discovery Tool! Sept 2021
- Let Your Voice Assistant Deploy Your Code! May 2022

Tech Blogs:

https://rachejazz.me/blogs.html

Certifications and Volunteering

- AWS Community Builder
  - AWS Community Program
- IBM Z Ambassador 2021
  - IBM Z, Your Big Year
- GHC Scholar and OpenSource Mentor 2021
  - Anita Borg
- Beginner in Linux Kernel Development (LFD103)
  - Linux Foundation
- Linux Server Management and Security
  - University of Colorado System, Coursera

Experience

- Site Reliability Engineer
  June 2022 - Present
  Workspan, Angad Corporate, Pvt, Ltd.
  - Automation in GCP to Jira Integration, open firewall detection and removal, expired IAM access purging
  - CICD security scanning, SCA, SAST, DAST report creation.
  - Google Security Command Centre exploration and instructing strict adherence to security practices.
  - Secret Management, SSL certificate update, WAF configuration on GCP

- DevOps Intern
  March 2022 - June 2022
  INDmoney, Finzoom Investment Advisors (P) Limited.
  - Setting up metrics and alerts for RDS/ECS Services/Redis clusters using cli and setting up dashboard on grafana by linking cloudwatch logs using arn policy.
  - Recording data of uncharted resources over excel sheet using 100% automated workflow.
  - Tag based cost allocation and migrating cost exploration from AWS to Grafana. Setting up Jenkins job for auto allocation of tags of every new resource
  - Assigned with core deployment window. Issuing hotfixes and monitoring proper gitops deployment everyday.

- Dev(Sec)Ops Intern
  September 2021 - March 2022
  Trell Experiences Pvt Ltd.
  - Implemented GitOps Security - access control and cicd pipeline upgrade
  - Docker and Kubernetes Security - Deployed Vault and Falco via helm for secret rotation and management and monitoring events on k8s cluster. Created hardened Docker images for restricting privileges to running services.
  - System-Admin, Security and IAM - Created scripts to scan unprivileged users using sudo on server, on demand log monitoring based on time period over kibana, automate exit policy for employees exiting the org.

- Open Mainframe Project Mentee'21
  June2021 - Aug 2021
  The Linux Foundation, IBM Z
  - Revamped a Flask application for IBM Z
  - Refactored 70% of code and improved UI and Backend.
  - Scripted automations for pulling and formatting data for various Linux Distributions.
  - Reduced 80% manual configging and reloading of server that helped moving forward with CI/CD Pipeline

- Jr. DevOps Engineer
  2020 Dec - 2021 Feb
  Dynopii Pvt. Ltd.
  - Administered 4 Linux servers
  - Surveillanced application deployments on Digital Ocean.
  - Wrote Dockerfiles and docker compose and tested deployment locally on VMWare.
  - Setup fail2ban firewall for preventing online VoIP server attacks.