VISHAL M

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EDUCATION

Bachelor's Degree in Computer Science, *PES UNIVERSITY*
2020 – present
Bangalore, India
- **MOOCs: AWS for DevOps, Jenkins, and Argo CD Specialization by KodeKloud and Akuity.**

PROFESSIONAL EXPERIENCE

PESU Venture Labs, *Cloud Engineer Intern*
March 2023 – present
Bangalore, India
- Migrated projects of Testing and QA environments from on-premise to AWS Cloud including the delivery phase.
- Replaced the infrastructure with IaC using Terraform.
- Managing 2 startups in release management by performing user acceptance, validation and customer support.

PROJECTS

EKSpress
- Designed and deployed fault-tolerant Kubernetes cluster on AWS (EKS) with seamless integration of EC2, ELB, EFS, and VPC. Utilized Terraform for automated infrastructure deployment, incorporating Prometheus and Grafana through Helm for monitoring.
- Launched a highly available web app with auto-scaling, persistent storage, and cost-effective load balancing on EKS Cluster.

TerraSite
- Orchestrated the complete infrastructure setup using Infrastructure-as-Code (IaC) principles with Terraform for implementation of static web page hosting on AWS.
- Proficient in creating secure environments, launching EC2 instances and EBS volumes, deploying code from GitHub, managing S3 buckets, and setting up CloudFront distributions.

Ingressit
- Successfully deployed a Reddit copy on Kubernetes, leveraging deployments, services, and Ingress to enable scalable and resilient application deployment.
- Configured and implemented Ingress for external access to the application, utilizing NGINX Ingress Controller and DNS configuration to route traffic and enable a seamless user experience.

DataFlowXpress
- Pioneered the development and deployment of a serverless data pipeline on AWS, harnessing the potential of S3, Glue, Lambda, and CloudWatch.
- Demonstrated technical prowess in architecting and automating data processing, utilizing Python Lambda functions to trigger Glue crawlers, and orchestrating Python and Spark-based Glue jobs.

SKILLS SUMMARY

Programming Skills: Python, Go(Golang), SQL, Bash
Tools: Docker, Ansible, Jenkins, Kubernetes, Terraform, GitHub Actions, Argo CD, GitLab
Cloud and Datastores: AWS, GCP, MySQL
Others: System Design, Linux, Prometheus, Grafana, Nginx, Git

ACHIEVEMENTS

- Won 1st prize for designing farmer-focused GUI in Figma. Led multiple initiatives, optimizing features to address key challenges faced by farmers.
- Published 15+ articles on DevOps and Cloud Computing.
- Contributed to CNCF tools, merging 10+ PRs, and showcased active involvement in open-source contributions.

POSITION OF RESPONSIBILITY

Core Member, *Dev Student Community/Club*
May 2022 – February 2023
As a Cloud/DevOps enthusiast, I took the initiative to organize 4 offline events impacting 200+ students.