VISHAL M

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EDUCATION

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

PROFESSIONAL EXPERIENCE

Cloud Engineer Intern, *Co-Create PESU Venture Labs*   March 2023 – present
- Migrated projects of Testing and QA environments to AWS Cloud, including the delivery   Bangalore, India
  phase.
- Optimized tests for the cloud infrastructure by checking for any misconfigurations in the
  present infrastructure.

projectR: Innovative SaaS Platform by PESU Venture Labs
- Collaborated with CEO and cross-functional team to architect, develop, and deploy projectR.
- Automated GitHub repository creation and file pushing via GitHub Actions workflows,
  streamlining version control processes.
- Implemented Python-based microservices communication using RabbitMQ, enhancing
  scalability and inter-component messaging.
- Led automated Terraform IaC file generation, extracting AWS service needs from JSON to
  create modular infrastructure setups.

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.

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.

SKILLS SUMMARY

Programming Skills: Python, Go(Golang), SQL, Bash
Backend Frameworks: JavaScript, Node.js, Express.js, Django, Prisma
Tools: Docker, Ansible, Jenkins, Kubernetes, Terraform, GitHub Actions
Cloud and Datastores: AWS, MySQL, Mongo DB, PostgreSQL
Others: System Design, Linux, Prometheus, Grafana, Nginx, Git

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.