

TUSHAR RAJPOOT

A DevOps Engineer having 2+ years of hands-on experience with automating and optimizing critical deployments over a large infrastructure.

Passionate about Web development and Cloud-Native technologies.

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Experience

HCL TECHNOLOGIES
March 2021 - present
hcltech.com

DevOps Engineer

Working on designing, developing features and automating the deployments for applications with millions of users, using Google Cloud Platform and Cloud-Native technologies.

- Working on developing features in backend projects (node.js micro-service architecture).
- Building CI/CD pipelines for deployment of our client microservices to **Google App Engine, Cloud Run, Kubernetes on Google Cloud Platform(GCP)**.
- Developing and maintaining automated **CI/CD** pipelines for code deployment using **Github actions** and Jenkins.
- Integrating Monitoring tools, Security Scanners with Github Actions workflows.
- Integrating **Hashicorp Vault** with **Node.js** applications, **Google Cloud Platform(GCP)** and Github Actions for managing secrets.
- Developed automation frameworks for managing **Google Cloud(GCP)** Infrastructure like Cloud Schedulers, Big Query views, scheduled queries using **Terraform, Node.js and Github Actions**.
- Writing **Dockerfiles** and dockerizing node.js, React based applications for deploying to **Google Cloud Run**.
- Working on automation builds, deployments, validations and configurations in the Google Cloud Platform environment.
- Provisioning infrastructure, servers of GCP and deploying features using **Terraform**.

Skills

- **Programming Languages:** JavaScript, TypeScript, Python, C/C++.
- **CSPs:** **Google Cloud Platform** (IAM, Storage, Compute Engine, Monitoring, GKE, App Engine, Cloud Run, Big Query, Cloud Schedulers), **AWS** (EC2, ECR, S3, Beanstalk). (Managed deployments on GCP App Engine, Cloud Run of applications with millions of users.)
- **CI/CD:** Jenkins, **Github Actions**. (Developed and maintained tens of CI/CD pipelines for automated code deployments to GCP and AWS.)
- **IAC:** **Terraform, Pulumi**. (Proficient with writing Terraform scripts for provisioning GCP and AWS infrastructure.)
- **Containerization:** **Docker, Kubernetes** (Managed containerized applications using docker and Kubernetes.)
- **OS:** Linux(Ubuntu, Debian, CentOS), MacOS, Windows
- **Development Technologies:** React, Node.js.
- **Databases:** NoSQL databases(MongoDB), SQL databases(MySQL, PostgreSQL).
- **Others:** Git, Github, Hashicorp Vault.

Projects

Gcloudact [See Project](#)

A Terraform module for hosting your own runner for CI/CD on Google Cloud to run jobs in your GitHub Actions workflows.

CI/CD with Terraform and AWS [See Project](#)

A node.js app deployed to Amazon EC2 using terraform, docker, Amazon ECR, Github Actions workflow.

CI/CD with Terraform and GKE [See Project](#)

A node.js app deployed to GKE using terraform, docker, Kubernetes and Github Actions workflow.

Check more at tusharrajpoot.com/projects

Education

Himalayan Garhwal University
2017-2020

Information Technology

Bachelors of Science in Information Technology. Focused course on programming in C/C++, web technologies, DBMS and many else.

Uttar Pradesh State Board
2015-2017

Intermediate Examination

Intermediate qualification specialized in PCM (Physics, Chemistry, Mathematics).

Certifications

- **Hackerrank Skill Certifications:** Python, JavaScript.
- **Docker Essentials, Kubernetes Essentials, Python badges by IBM.**
- **Google Cloud Qwiklabs badges**

Other Perks

- Active with DevOps Community on twitter and like to share learning to others.
- In his free time, likes to blog, create videos on Youtube.