# Pulkit Heda | DevOps Engineer

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## SUMMARY

**DevOps Engineer** with **3+ years** of hands-on experience in **automating infrastructure**, **CI/CD pipeline** design, and **cloud-native** solutions. Proficient in tools like **Terraform**, **Jenkins**, **AWS**, **Docker**, and **Linux System**. Known for improving deployment speed, **infrastructure security**, and **system reliability** through **scalable** and **secure DevOps** practices. Adept at cross-functional collaboration, troubleshooting, and continuous learning.

## TECHNOLOGIES

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|---|---|
| **Scripting** | Bash |
| **Web Development** | JavaScript, React JS, Tailwind CSS, Figma |
| **Core** | Computer Networks, Cloud Security |
| **Linux** | File System Management, User Management, Shell Scripting |
| **CI/CD** | Terraform, Docker, Jenkins, GitHub Actions, GitHub, Git |
| **AWS** | IAM, EC2, S3, VPC |

## WORK EXPERIENCE

**Project Intern (DevOps Intern)**                                    **Jun 2024 - Jul 2024**
*Xebia IT Architects*

- Developed a comprehensive Gym Management System in collaboration with the team using Node.js and Express.js, significantly enhancing operational efficiency by streamlining key workflows.
- Engineered and automated a robust CI/CD pipeline with GitHub Actions, accelerating deployments and improving reliability through consistent integration and delivery practices.

## PROJECTS

**Poker Session Tracker**                                    **Jul 2025 – Present**
**Tech Stack:** Node.js, ReactJS, MongoDB Atlas, Clerk, Docker, Terraform, AWS EKS

- Developing a full-stack Poker Session Tracker web application using React, Node.js, and MongoDB, with features for group management, player tracking, session creation, and automated buy-in/buy-out calculations.
- Implementing authentication (Google OAuth) and designing REST APIs to manage sessions, calculate player stats (top earner, top loser, settlements), and ensure persistent, accurate financial tracking.
- Building CI/CD pipelines with Docker, Terraform, and AWS EKS for containerized deployment, while following best practices in DevOps and cloud architecture.

**Secure CI/CD with Vault (Link)**                                    **Jun 2025 - Present**
**Tech Stack:** Terraform, Vault, GitHub Actions, Jenkins, Git, AWS

- Replaced hardcoded AWS credentials in Jenkins pipelines by integrating Hashi Corp Vault, thereby enhancing security and automating secret management.
- Designed and implemented a Vault-based solution to explore its functionality in real-world CI/CD scenarios; configured Vault on EC2 with UI access for hands-on learning.

**IaC Script for AWS Resources (Link)**                                    **Sept 2024 - Oct 2024**
**Tech Stack:**  Terraform, HCL, Git & GitHub, AWS

- Designed and deployed a scalable infrastructure using Terraform, incorporating key AWS services such as VPC, EC2 Instances, S3 Bucket, and DynamoDB.
- Developed and implemented reusable Terraform modules to enhance modularity, scalability, and ease of management.
- Automated infrastructure provisioning to ensure consistent and efficient deployment of resources, improving maintainability and flexibility of cloud resources.

**DevOps-Driven Cloud Deployment & Monitoring (Link)**                                    **Mar 2024 - May 2024**
**Tech Stack:** AWS EC2, AWS Elastic IP, Git & GitHub, Jenkins, Docker, Docker Compose, Prometheus, Grafana

- Provisioned the migration of a static website to a Docker container (NGINX), achieving a reduction in deployment unit size, enhancing portability and efficiency.
- Automated the build, test, and deployment processes using Jenkins and Git, resulting in a decrease in deployment time.
- Implemented Prometheus and Grafana for real-time monitoring, improving application performance visibility and reducing downtime.

## EDUCATION

**Bachelor of Technology in Computer Science**                    **2021 - 2025**
*University Of Petroleum & Energy Studies, Dehradun*

**Senior Secondary School**                    **2020 - 2021**
*Delhi Public School, Hyderabad*

## CERTIFICATIONS

- Hacker Rank JavaScript (Basics)
- Hacker Rank SQL(Basics)
- AWS Academy Lab Project - Microservices and CI/CD Pipeline Builder