Pulkit Heda

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Career Objective

Motivated Computer Science undergraduate specializing in DevOps, with a solid foundation in Java programming, networking, and Linux systems. Experienced in utilizing DevOps tools and cloud services through hands-on projects and internships.

Academic Detail

Year	School/University	Qualification/Degree	Board/Specialization
2021-2025	UPES, Dehradun	Bachelors Of Technology	Computer Science
2020-2021	Delhi Public School, Hyderabad	XIIth	CBSE
2018-2019	Delhi Public School, Hyderabad	Xth	CBSE

Skills:

DevOps Tools: Git & GitHub, Jenkins, Docker, Terraform
AWS Services: EC2, VPC, IAM
Computer Core: Java Core, Linux CLI, Networking, MySQL, Cloud Computing

Work Experience

Project Intern – Xebia, Remote   *06/2024 – 07/2024*

- Collaborated with team for development of a comprehensive Gym Management System utilizing Node.js and the Express Framework, enhancing efficiency by streamlining operations.
- Orchestrated seamless deployments through an automated CI/CD pipeline integrated with GitHub Actions, ensuring reduction in deployment time and increase in deployment reliability.

Projects

Dynamic Portfolio Deployment: Automating AWS EC2 with GitHub Actions (Link)   *12/2024 - Present*

Tech Stack: Git, GitHub, GitHub Actions, AWS EC2, AWS IAM

- This project focuses on automating the deployment of a portfolio website using GitHub Actions and AWS EC2.
- The process involves configuring GitHub Actions to automate code builds, tests, and deployments directly to an AWS EC2 instance.
- The portfolio website is hosted on a highly available EC2 instance, leveraging GitHub's seamless integration to track changes and push updates in real time.

IaC Script for AWS Resources (Link)   *09/2024 -10/2024*

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, enabling consistent and efficient deployment of resources, improving maintainability and flexibility of cloud resources.

DevOps-Driven Cloud Deployment & Monitoring (Link)   *03/2024 – 05/2024*

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 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.

Certifications

- AWS Academy Cloud Foundation   Present
- AWS Academy Lab Project - Microservices and CI/CD Pipeline Builder   09/2024