

# Manip Poudel

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## Summary

- Experience in the field of DevOps engineering with extensive knowledge in application configurations, code compilation, implementing, and managing cutting-edge deployment automation of cloud resources.
- Experienced in branching, merging, and maintaining the versions using tools like Git and GitHub on Windows and Linux platforms.
- Hands-on experience with AWS, GCP, and CI/CD tools to automate the process in Cloud and Operation Side.
- Documented the system processes, procedures, and data flow from multi-sources.
- Expertise in managing the git repository hosted in Github.
- Experienced using GIT via a terminal and performing different tasks.
- Creating Branch, Stash Concept and how it works, solving merge conflicts that arise in the repository.
- Create and run docker images using the command line or using a docker file using docker commands. Write the docker-compose file to execute multiple containers at once and run them
- Experience containerizing Django Applications.
- Ability to containerize different applications in Docker and execute, and troubleshoot problems related to Dockerfile and docker-compose files.
- Create workflows and manage the deployment from the development server to production servers using the CI/CD. Automating the deployment using the action workflow.
- Configuring and building different projects in GitHub Runner and running the unit test in the CI/CD pipeline.
- Deploying different applications in GCP and AWS, Creating a reusable workflow for different environments.
- Knowledge of creating infrastructure in Amazon Web Services and Google Cloud Platform using Terraform.
- Created different services in AWS such as Custom Beanstalk Environment, Lambda Function, EC2 instance, VPC, and other services as per the requirements.
- Ran terraforms codes in the CI/CD pipeline and manage state files in Bucket / Cloud Storage and modify the infrastructure as per the requirements. Terraform for AWS and GCP, Infrastructure creation.
- Used Ubuntu as my primary operating system, to work and surf through terminals. Installation of packages, updates, and removal to optimize essential Linux performance.
- Knowledge about Kubernetes Cluster Architecture and its implementation with Service, Deployment, Scheduling with Logging, and Monitoring.

## Certification and Acknowledgement:

- AWS Certified Solutions Architect – Associate
- HashiCorp Certified: Terraform Associate (003)

## Professional Experience:

### Wesionary Team

Jan 31, 2022 – Till date

**Position: DevOps Engineer, Team Lead**

**Location: Chitwan, Nepal**

#### Responsibilities:

- Creating plan and road map for transitioning the Organization to DevSecOps Principle.
- Provide operational support to Cloud and other issues in projects.
- Hands-on experience with AWS, GCP, and CICD tools to automate the process in Cloud and Operation Side.
- Troubleshoot issues in different technology and provide a reliable solution and document the procedure.
- Involve in planning, requirement elicitation, understanding client processes, accessing the project scope to perform gap analysis, and provision workforce as needed.
- Work closely with clients, and developers to support IT operations in different projects and monitor solutions to ensure they work as expected.
- Interacted with the team regularly to analyze and understand the project updates.
- Developed and maintained procedure documentation for references.

**Environment:** Linux(Centos, Ubuntu Server), Google Cloud Platform, Typer, Amazon Web Services, Terraform.

### Leapfrog Technology

Oct 25, 2021 – Dec 15, 2021

**Position: Intern (DevOps Internship)**

**Location: Chitwan, Nepal**

#### Responsibilities:

- Experienced working in Disk, Log, and Resource Management with SSH, SFTP, Routing, and Firewall(Writing rules and updating rules as per the requirements).
- Gained knowledge of DNS, NAT, and VPN, and have also configured OpenVPN server.
- Assisted in the deployment of Web and App Server as App Servers(Node/React), Database Server(Postgresql), Django (WSGI/gunicorn), and Java Applications using Glassfish Server.
- Learned different AWS(Amazon Web Services) such as launching EC2 Instance, Lambda, S3, Route53, Load Balancer, VPC, IAM, and Internet Gateway.

**Environment:** Linux(Centos, Ubuntu Server), Web Servers(Nginx), Docker, Amazon Web Services(EC2, IAM, S3, Lambda), App Deployment(Java, Django, React), CICD Pipeline, Bash Scripting, Logging, and Monitoring.

### NAXA

May 10, 2021 – Oct 12, 2021

**Position: Backend Developer**

**Location: Chitwan, Nepal**

Responsibilities:

- Participated in geospatial data projects, and understand the concept of optimizing code writing.
- Highly motivated to write an optimal API so that its performance will not deteriorate as the data in the system increases.
- Experienced with spatial information and PostGIS databases in Geodjango, wrote query collections, collect data from various fields of foreign keys, etc.
- Send Push notifications from Django using pyfcm package.

**Environment:** Python, Django, and Django Rest Framework, Linux

### **Project 1: Service-On-Call**

The project is designed to facilitate the selection of motorbike service stations. It was built to help users find a suitable service station based on the reviews and ratings of other users. The system was designed to work with the development of mobile applications by means of Python, Django for the Web version, and Django Rest Framework.

**Environment:** Python, Django, and Django Rest Framework

### **Project 2: Network Automation**

The project helps to configure different Cisco and MikroTik routers using Python, Django along with netmiko and paramiko.

**Environment:** Network Routing and Switching

### **Education: Bachelor's in Computer Science, Information and Technology**

Computer Science Information and Technology(CSITAN-Chitwan)

Former President (Nov 2019 – Oct 2020)

Computer Science Information and Technology(CSITAN-Chitwan)

Former Executive Member (Nov 2018 – Nov 2019)