

# Ujwal Budha

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Aspiring DevOps enthusiast eager to bridge the gap between development and operations, striving to streamline processes and optimize software delivery for enhanced efficiency.

## PROJECTS

### 1. Containerizing and orchestrating a PHP-MySQL Authentication Website Using Kubernetes Pods

- Created PHP app & MySQL containerization with Docker.
- Deploy containers as Kubernetes pods for scaling.
- Integrate PHP, MySQL & Kubernetes for web apps.
- Ensure high availability with Kubernetes using Load balancer.

### 2. Implemented Highly Scalable AWS Three-Tier Java App with Terraform and Jenkins CI/CD.

- Utilized Terraform to meticulously deploy a scalable AWS three-tier infrastructure.
- Orchestrated a Jenkins CI/CD pipeline for automated Java app development and deployment.
- Achieved optimal resource utilization within the AWS environment.
- Enhanced application scalability and efficiency through advanced architectural design.

### 3. Comprehensive DevOps Project for Microservices Automation and Scalability

- Implement CI/CD for microservices.
- Automate infrastructure provisioning with Terraform.
- Achieve high availability and scalability.
- Monitor, optimize, and document the entire DevOps pipeline.

### 4. Infrastructure as Code (IaC) and Configuration Management for a Web Server Farm

- IaC provisioning of web server farm across multiple zones.
- Configuration management for software and security hardening.
- Load balancing for high availability and traffic distribution.
- Monitoring, cost optimization, and disaster recovery planning.

## SKILLS

AWS  
Jenkins  
Kubernetes  
Docker  
Terraform  
Git/GitHub  
Bash Scripting  
Python  
Ansible  
Prometheus  
Grafana  
Puppet

## Education

BSC CSIT  
[3<sup>rd</sup> Year]

## Experience

### 1. GNOME NEPAL [Volunteer]

- Contributed to GENOM Nepal's mission through dedicated volunteer work.
- Currently employed, actively supporting GENOM Nepal's ongoing initiatives.
- Engaged in various roles, promoting community health and education.
- Demonstrated commitment and dedication to GENOM Nepal's objectives.

### 2. SecurityPal's Hackathon

- Creative problem solving in high-pressure hackathon, overcoming complexity.
- Excelled in diverse teams, driving innovation through effective communication.
- Rapid mastery of tech tools in dynamic hackathon projects.
- Showcased leadership, initiated and guided successful hackathon projects.