

AJU TAMANG

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EXPERIENCE

Innovate Tech

DevOps Engineer

Kathmandu, Nepal

Jun 2021 - Jan 2023

- Migrated the landing pages of mysecondteacher to an EKS cluster, improving scalability and performance
- Automated AWS infrastructure for multiple websites, including Advanced Pedagogy, mysecondteacher, and Jelajahilmu, reducing manual effort and improving reliability
- Built Gitlab CI/CD pipeline for mysecondteacher services with custom helm chart on EKS, streamlining the deployment process and enabling faster updates
- Setup centralized CMS server via Terraform, allowing for efficient management of content across multiple sub-region landing sites
- Implemented Hubot ChatBot for ChatOps, simplifying Kubernetes resource management and improving collaboration among team members
- Conducted AWS security audit on mysecondteacher services and implemented improvements based on findings, enhancing security and reducing potential for outages
- Mentored newly hired DevOps engineers, contributing to the growth and success of the team

ESR Tech

DevSecOps Intern

Remote

Feb 2021 - April 2021

- Patched vulnerabilities on the ESR Tech official site and Jenkins, enhancing security and reducing potential for attacks
- Setup monitoring dashboard with SLI based on I/O, CPU, memory, and network usage, providing real-time visibility into system performance and enabling early detection of potential issues

Techkraft

Cloud Developer Apprentice

Remote

Aug 2020 - Dec 2020

- Built and deployed containerized multiple services in AWS EC2, enabling faster and more efficient deployment of applications
- Demonstrated hands-on experience with AWS and the Pub-Sub pattern using Rabbit MQ, showcasing expertise in modern cloud computing and messaging technologies

Insight Workshop

Software Engineer Trainee

Remote

Jun 2020 - Aug 2020

- Implemented best practices for Django security, enhancing the protection of the application against potential vulnerabilities and improving overall security
- Contributed to the success and reliability of the MVP by applying knowledge of Python, Django, and REST framework to create a robust and secure application

SKILLS

DevOps/SRE: Kubernetes, Helm, AWS/GCP, Terraform, Docker, Jenkins, Gitlab CI/CD & Github Actions
Others: Python & Django, Git & Vim, Rust, Bash scripting, Linux, Burpsuite, Blogging, Leadership

PROJECTS

Kubernetes for Everyone

<https://tryhackme.com/room/kubernetesforyouly>

A Kubernetes hacking challenge for DevOps/SRE enthusiasts crossed over 12,000 participants.

Kube-gchat

<https://github.com/Aju100/kube-gchat>

Kubernetes chatbot to fetch out the kubernetes resources on Google Hangout message.

AWARDS

AWS Community Builder

AWS Cloud

Advocating the developer into AWS cloud system through projects, tech talks and blog - csaju.com. Oct 2021

National Representative

Huawei

Selected as one of the 7 seeds for representing Nepal at Huawei Thailand for the Tech1Good competition

Made it to the final Top 7 and participated in the Tech Good accelerator camp in Singapore.

Jun 2022