

Sanjeev Tamang

Software Engineer (Infrastructure Engineer)

Date of Birth 1997/06/05

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Motivated Infrastructure and DevOps Engineer with 5+ years of experience in designing, automating, managing scalable cloud infrastructure and optimizing critical deployments over large infrastructure. Experienced in AWS services, CI/CD systems, container orchestration, and infrastructure as code (IaC). Adept at leading DevOps initiatives and mentoring teams to implement efficient, secure, and reliable systems.

Work Experience

DevOps Engineer

Fetchly Labs

August 2022 - Present

- Designed and managed infrastructure on AWS, provisioning resources using Terraform and Serverless Framework.
- Built scalable infrastructure using autoscaling groups and container orchestration (ECS) to handle production workloads.
- Maintained and enhanced Terraform codebases for infrastructure as code (IaC) across environments.
- Designed and maintained OpenShift pipelines for automated builds, integrating static code analysis to ensure production-readiness and code quality compliance.
- Developed CI/CD pipelines using Jenkins and GitHub Actions for QA, Staging, and Production environments.
- Managed deployments and updates across cloud environments, focusing on high availability and performance.
- Applied AWS security best practices including IAM role segregation, S3 bucket policies, security groups, least-privilege access controls, and network hardening through VPC configuration.
- Contributed to system hardening efforts, including logging, identity management, and secure configurations.
- Collaborated with cross-functional teams to troubleshoot issues, implement fixes, and improve system reliability.
- Provided ongoing support for infrastructure changes, pipeline updates, and deployment operations in a cloud-native environment.

Infrastructure Engineer

Gurzu Inc.

July 2019 - August 2022 (Full Time)

- Planned, implemented, and managed scalable, cost-effective infrastructure solutions for internal and client-facing systems.
- Designed and deployed scalable AWS architectures using services like EC2, ECS, EKS, Cognito, S3, SES, Load Balancers etc.
- Server Provisioning and Configuration Management.
- Set up and managed in-house services and internal infrastructure to support development and operational needs.
- Built and maintained CI/CD workflows using GitLab CI and Jenkins, reducing deployment time by 30%.
- Planned and implemented CI/CD pipelines across multiple projects, ensuring smooth build and deployment cycles.
- Containerized microservices and managed their deployments using Docker and container orchestration platforms.
- Developed and maintained pipelines with integrated code quality tools including linters and security scanners.
- Deployed and maintained numerous client projects over the years, ensuring performance, uptime, and reliability.
- Implemented monitoring solutions for system performance and uptime using ELK stack, Grafana, and other tools.
- Implemented intrusion detection and prevention systems (IDS/IPS) for enhanced infrastructure security.
- Applied security and networking best practices across systems, including network hardening and access controls.
- Identified day-to-day infrastructure issues and designed solutions using both self-hosted and third-party services.
- Mentored junior DevOps engineers and collaborated with cross-functional teams to align DevOps with development goals.

Bootcamp Coordinator

Gurzu Inc.

July 2021 - August 2022

- Coordinated and led a cross-functional team to organize Full-stack Development Bootcamp.
- Developed and managed the curriculum, ensuring it aligned with industry standards and emerging technologies.
- Oversaw program logistics and candidate progress, ensuring smooth execution of bootcamp sessions.
- Tracked performance and provided feedback to bootcamp candidates, helping them improve and prepare for their transition into development roles.
- Fostered a collaborative environment between mentors, candidates, and support teams to optimize learning outcomes.

Technical Skills

- System Administration
- Server Management
- Configuration Management
- Container Orchestration
- Virtualization
- Cloud Computing Services
- Continuous Integration and Continuous Deployment
- Scripting
- Version Control System
- Security hardening of systems and applications
- Networking, Security and Protocols
(SSL/TLS, FTP, SSH, Port Forwarding, SMTP, DNS Records)

Languages:

Ruby, Ruby on Rails, Python, Bash

Technologies:

- Linux Systems
- Virtualization (KVM)
- Container Orchestration
(Kubernetes, Docker, AWS EKS, AWS ECS, AWS Fargate)
- Configuration Management (Ansible, SaltStack)
- Cloud Providers
(AWS, Google Cloud, Linode)
- Continuous Integration and Continuous Deployment
(Jenkins, Gitlab CI)
- Load Balancer and Web server
(AWS Elastic Load Balancer, Nginx, Apache)
- Infrastructure Provisioning
(Terraform)
- Monitoring
(ELK Stack, TICK Stack, Vector, Grafana)
- Logs Management
(Graylog)

Soft Skills

- Leadership and Team Mentorship
- Flexibility and Adaptability
- Time Management
- Problem Solving
- Effective Communication

Education

Bachelor's in Computer Engineering

Khowpa Engineering College, Bhaktapur

2014 - 2018

Declaration

I hereby certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications and my experience.