Nitesh Karki

DevSecOps Engineer

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SUMMARY

An AWS certified Developer/SysOps engineer with 4+ years of experience in multi-national IT enterprise environments. Managed large scale servers, firewalls and networking, extremely proficient with cloud technology like AWS, VMware, Azure & Rackspace and have a deep passion for enterprise-wide system & security management.

SKILLS

- Deploy, manage, and operate scalable, highly available, and fault-tolerant systems on AWS/Microsoft Azure/Google Cloud/Digitalocean/Rackspace.
- Select the appropriate AWS service based on compute, data, or security requirements
- Identify appropriate use of AWS operational best practices
- Estimate AWS usage costs and identify operational cost control mechanisms with advanced cost optimization techniques
- Migrate on-premises workloads to Cloud
- Familiarity with operations of Python, Node.js, & php applications.
- Experience and knowledge of scripting with Bash & Python and IT Automation with Ansible.
- Experience with standing up a continuous delivery pipeline using tools like Jenkins, GitLabCI, Drone and Docker.
- Working knowledge on administering & deploying databases like PostgreSQL, MySQL, MongoDB, MSSQL, DynamoDB & AWS Aurora.
- Experience on administering web & application servers like Apache, Nginx,Tomcat.
- Working knowledge of OAuth and LDAP integration and setup across custom apps.
- Experience and knowledge of Docker, Elastic Container Service & AWS EKS.
- Experience in automated Periodic Data backup & Disaster Recovery.
- Experience in IT infrastructure support (systems,Linux servers and firewall

essentials).
  ● DNS | Nameservers | Domain Setup -- Management

  ● NagiosXI | zabbix | mon | ganglia -- monitoring and alerting system (both
     performance and alerting).
  ● Email Hosting and Manage | Webmail | Zimbra | Server domain email
     setup | GSuite | Zoho
  ● Management Tools | Trello | Red mine | Bug-Zilla | Atlassian Jira |
     Freshdesk
  ● Penetration testing | SQL injection | XSS

EXPERIENCE

Tekkon Technologies - *DevOps Engineer*

November 2019 - Current, Baluwatar, Kathmandu

  ● Scalable Microservices architecture deployment and configuration
     Continuous Integration and Deployment for FrondEnd and Backend
     Stacks with tools like jenkins and GitlabCI.
  ● Customized and Integrated OpenSource tool that replaces
     functionalities of GSuite.
  ● Built secure and modern cloud infrastructure Architecture diagrams
     and implementation with CloudFormations following modern cloud
     guidelines.
  ● Build a solution to display logs from Cloudwatch using ElasticSearch
     and Kinesis Stream.
  ● Serverless Architecture using Lambda, Appsync, GraphQL and
     Cognito.
  ● Containerized deployments with advanced tools like EKS and ECS
  ● Monitoring and alerting system setup for large scale servers.

Genese Software Solution - *Senior SysOps Engineer / IT Manager*

Feb 2017 – October 2019, Maitidevi, Kathmandu

  ● Lead a support team of 20 System Engineers
  ● Deployment application and solutions for Top banks in nepal.
  ● Disaster Recovery team lead.
  ● Responsible for Managing All Nepal and UK clients for WebApp and
     Email hosting on Linux Server (CentOS & Ubuntu) (500+ Servers)
  ● Hired as a full-time systems administrator following an initial consulting
     role to manage and maintain a 50+ mixed server environment
     (Windows/Unix/Linux), ensuring 99.9% or better up time. Evaluate,
     monitor and enhance IT infrastructure with an emphasis on availability,
     reliability, scalability, security, data confidentiality and system integrity..

iFix Store - *Associate Software Engineer*

March 2016 - Jan 2017, Boudha, Kathmandu

- Worked in Apple Service Center: iFix Store Nepal as iPhone/iPad/Mac Software Troubleshooter and Technician.

EDUCATION

Nepal Engineering College / Bachelor in Computer Engineering

November 2013 - Jan 2018, Bhaktapur, Nepal

Sagarmatha Multiple College / +2 Science

Year 2011 - Year 2013, Dillibazar, Kathmandu
High School on Computer Science Faculty.
Score: 74.00%

Bal Geetanjali English School / SLC

Bhaktapur, Nepal
Mulpani, Kathmandu
Schooling from BGES
Score: 81.6%

Skill Certifications

- AWS Certified Developer - Associate
- AWS Technical Professional
- AWS Business Professional
- AWS TCO & Cloud Economics
- AWS Professional EC2 Systems Manager
- Google Cloud Fundamentals- GSuite
- Google Adwords
- VMware Fundamentals
- Nagios Fundamentals
- Linux - Ubuntu Member

Training

- AWS SysOps Training - *Udemy & ACloud Guru*
- AWS DevOps Training - *Udemy & ACloud Guru*
- Nagios Training - *Online*
- VMware Training
- GSuite Training
- Advance Linux Training - *Udemy & ACloud Guru*

Projects

- Data Visualization Project using Superset.

- Deployed and managed Nagios Monitoring tool to monitor the whole Nepal Router and Switches for the Largest Telecom in Nepal.
- Built custom Mass Emailing Solution that is able to send 1 lakh plus emails at once at very low cost (Used by 3 top Private Banks in Nepal)
- ERPNext -- Hosting, Optimizing, Customizing ERPNext Softwares.
- SysPass -- Hosting, Optimizing, Customizing SysPass for passwords and data encryption and Storing.
- Nagios -- Hosting in server, configuring hosts / websites /monitoring Linux/Windows Server.
- Sendy | TemplateBuilder -- Hosting, Customizing, Integrating with AWS SMTP
- eAttendance App -- used AWS Rekognition for image recognition and DynamoDB and S3 with Lambda for serverless computing.

Reference

Genese Software Solution

Anjani Phuyal (Founder/Global CTO)

Relation: Direct Line Manager

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