Sailesh Khadka

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EDUCATION

- **Laboratory Higher Secondary School** — Kathmandu, Nepal
  (Faculty; Science) — *07/2013 - 03/2015*

- **Sunway International Business School** — Kathmandu Nepal
  (BCS Hons. Computer Science IT; Infrastructure University of Kulalampur) — *04/2018 - 08/2021*

PROGRAMMING SKILLS

- **Languages**: Groovy, SQL, Json, Bash, C#, Python
- **Technologies and Frameworks**: AWS, Azure, DevOps Tools, Jenkins, Github Actions, SonarQube, Docker,Kubernetes, Git, Postman, Heroku, Terraform and Ansible

EXPERIENCE

- **Dev Centre House Ireland** — Dubai, United Arab Emirates
  DevOps Engineer — Full Time — *25th Apr 2024 - Present*
  - Proficiency in developing, deploying, and debugging cloud-based applications using AWS Lambda with serverless framework
  - Implement the best practices for monitoring applications and create recommendations on how the application team can improve their applications.
  - Knowledge in using CI/CD pipeline using github actions to deploy applications on AWS
  - Have solid AWS services experience including in VPC, EC2, Ebs, S3, ASG, Cloudwatch, Lambda, and Load Balancer
  - Experience working with relational databases like AWS RDS and PostgreSQL, Mysql
  - Experienced in writing cloudformation template and deploy the infrastructre using serverless framework to AWS.

- **Voeux Information Technology LLC** — Dubai, United Arab Emirates
  DevOps Engineer — Contract — *14th Jan 2024 - 24th April 2024*
  - Ensure that the infrastructure is scalable, reliable, and secure.
  - Establish and maintain continuous integration and deployment pipelines,ensuring that code changes are tested, built, and deployed in a consistent and automated way.
  - Collaborate with development, operations, and other cross-functional teams to ensure smooth and efficient delivery.
  - Document infrastructure, processes, and procedures to ensure knowledge transfer and enable efficient troubleshooting so as to contribute to internal knowledge bases and share best practices with the team.

- **3QSPACE LLC** — Dubai, United Arab Emirates
  IT Support Engineer — Internship — Contract — *1st Nov 2023 - 30 Dec 2023*
  - Maintaining system upgrades, patches for the system to ensure high availability.
  - Communicate effectively and solve problems to achieve successful outcomes.
  - Good exposure to use ERP system configuration based on frappe framework.

- **ComplianceQuest Nepal Pvt. Ltd** — Lalitpur, Nepal
  Software Engineer — DevOps - Full time — *April 2022 - March 2023*
  - Maintain CI/CD using Jenkins and Gitlab/Github/Bitbucket ties automated builds, tests and releases together in a single workflow to build functional systems that improve client's needs and experience.
  - Design of Production, Staging/QA, and Development infrastructures running for 24/7 environments.
  - Deploying product updates, identifying production issues, and implementing integration that improve the development team's production and improve customer needs.
  - Infrastructure migration approaches on AWS and techniques including some applications migrations into the cloud including implementation of hybrid cloud solutions within regulated enterprise environments
  - Worked with git flow to validate branches like story,feature, making PR to isolate the changes. (Git, SVN) – branching, merging, re-basing etc.

- ○ Good exposure to Agile software development methodologies and DevOps practices such as Infrastructure as Code (IaC), Continuous Integration (CI) and automated deployment.
- ○ Writing automation script to deploy in different infrastructure using bash and powershell to automate visualization and server installation.
- ○ Build a solution to display logs from Cloudwatch using ElasticSearch.

- **Percoid IT Solutions** — Lalitpur, Nepal
  DevOps and System Engineer — *Jun 2017 - March 2022*
  - ○ Configure and managed different Linux and Windows server with 99% up time.
  - ○ Experienced and knowledge of scripting with Bash,Groovy and IT Automation with Ansible and Terraform.
  - ○ Monitoring and alerting system setup for large scale servers through Grafana and Prometheus, and also checked code quality through SonarQube.
  - ○ Scalable Microservices architecture deployment and configuration Continuous Integration and Deployment for FrontEnd and Backend Stacks with tools like Jenkins and Gitlab-CI.
  - ○ Load balancer using different server like Apache, Nginx to maintain the traffic issues across the backend resources
  - ○ Worked with Oracle Vmware, Vagrant box using Hashicorp, Ubuntu to manage and configure the test and development systems.
  - ○ Deployed the application with high scalable and secure architecture supporting thousands of users worldwide using docker, IIS.
  - ○ Worked on different Databases like Ms-SQL, Postgresql and My-sql to configure user level permission, autoscaling, backup and restore and other administration.

- **IT Training Nepal Pvt. Ltd** — Kathmandu, Nepal
  Hardware and Network Support Engineer — *Nov 2015 - May 2017*
  - ○ Assemble and Dissemble the Computers, Laptops and different devices.
  - ○ Evaluate and resolved different network related issues.
  - ○ Troubleshooting the hardware issues and resolved the issues of all kinds of PC and laptops and other devices.

- **Freelanching** — Dubai - Remote
  DevOps Engineer — *April 2023- present — part time 1-2 hr*
  - ○ Worked on setting up pipeline for A/B testing using different services in AWS.
  - ○ Worked on Ansible to automate configuration of systems.
  - ○ Working as Support engineer on multiple stacks like Gitlab, AWS, AWS Cloudformation, S3 Bucket, Jenkins pipeline using Groovy etc.
  - ○ Setting up new Development Environment for a startup company

PROJECTS

- **Automation using Jenkins from Developer to Production System for CI/CD on different .Net, Salesforce Application** Using Jenkins, Sonarqube, AWS, IIS for Automation of the complete Job chain between Developer, Quality Assurance Team, and Production Team by implementing ci/cd to the fullest using tools like jira, github, bitbucket.
- **CQ Audit Management Software** A cloud based tool that makes audit planning easy with a calendar view where managers can create, schedule, and manage different types of audits all in one place. CQ simplifies collaboration between auditors, suppliers and even regulators with quality and safety workflows based on best-practices and inbuilt modern tools. The data-driven audit solution helps quality and safety leaders "know their gaps," take preventive action, and overall, stay compliant to all regulations.
- **Deploying Infrastructure for Web Application on Amazon EKS** Used Kubernetes services on Cloud to launch Web Application with Load balancer i.e. Amazon Web Service EKS to launch , .net, Applicatio Application with auto-scaling.
- **Automation using Kubernetes from Developer to Production System for CI/CD** Used docker and Jenkins for Automation of the complete Job chain between Developer, Quality Assurance Team, and Production Team. It creates Kubernetes resources like Pods, ReplicaSet, Deployment,Service in the place of Docker to perform CI/CD.

CERTIFICATIONS

- Udemy certified Introduction to **Automation using Groovy and Bashscript** by IBM
- **RedHat** Training Certification on **Ansible for Automation (RH294).**
- **DevOps Assembly Lines, and Hybrid Multi Cloud Training Certifications** by Compliance Quest Pvt. Ltd

Accomplishments

- **Winner** Best event manager in College in Annual Function, 2020
- **College Representative** Women in Public Sector, 2020

Leadership Experience

- **Event Lead -** Teach For Nepal 2020