# Sailesh Khadka

LinkedIn — Medium — Github — Portfolio

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## EDUCATION

**Manipal Academy of Higher Education - MAHE Dubai** — Dubai, UAE
*(MBA- International Business)* — 03/2023 - 01/2025

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

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

## PROGRAMMING SKILLS

- **Languages**: Groovy, SQL, Json, Bash, Python—Nodejs Scripting
- **Technologies and Frameworks**: AWS, Azure DevOps, 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

- Design and Architect cloud based application by following best practices to maintain security, scalability and reliability.
- Worked directly with clients and stakeholders to understand the better workflow of the application for deployments.
- Proficiency in developing, deploying, and debugging cloud-based applications in microservice architecture.
- Implement the best practices for monitoring applications using New relic, Cloudwatch and Grafana
- Well experienced in using CI/CD pipeline using github actions, Codepipeline to deploy applications on AWS
- Solid experience on AWS services likes; EC2, EBS, S3, ASG, Cloudwatch, Lambda, VPC, Eventbridge, ALB, IAM, APIGateway, Cloudfront and many more.
- Experienced working with relational databases with AWS RDS like PostgreSQL, Mysql
- Experienced on IAC with cloudformation template and terraform template to deploy the infrastructre to AWS with maintainig best principles.
- Implemented DDoS attack mitigation strategies using OWASP guidelines and configured CORS policies to enhance application security and prevent unauthorized access.
- Integrated automated security testing tools SAST into development workflows and CI/CD pipelines.
- Experienced on data visualization tools like Power BI and AWS service Quicksight.
- Prepared well documented of overall workflow and architecture to maintain the proper documentation.

**Voeux Information Technology LLC** — Dubai, United Arab Emirates
*DevOps Engineer — Contract* — 14th Jan 2024 - 24th April 2024

- Ensured that the infrastructure is scalable, reliable, and secure by following best practices.
- 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 — 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.

## PROJECTS

- **Design and Architect a three tier based application on AWS using IAC - SEEYOU GPT**
  Using IAC tools like terraform, deployed a three tier based applicaiton on AWS with using version control system git and using ci/cd with github action by maintainig scalability,high security and reliability.

- **Deployed a serverless application on Lambda using serverless framework - WrkWrk**
  A platform that connects businesses with temp workers in just a few clicks i.e. to make shiftwork work for everyone.

- **Deployed a python based django app on AWS ECS using IAC**
  Using terraform to deploy a python based django applicaiton on ECS. - Djano app

## 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

## LEADERSHIP EXPERIENCE

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